



TEST REPORT

APPLICANT : BLU Products, Inc.

PRODUCT NAME : Smart Phone

MODEL NAME : C5L MAX

BRAND NAME : BLU

FCC ID : YHLBLUC5LMX176

STANDARD(S) : 47 CFR Part 2
47 CFR Part 22, Subpart H
47 CFR Part 24, Subpart E
47 CFR Part 27, Subpart H&L&M&N

RECEIPT DATE : 2023-06-29

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Change History		
Version	Date	Reason for change
1.0	2023-08-04	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	BLU Products, Inc.
Applicant Address:	8600 NW 36th Street, Suite #200 Doral, FL 33166, USA
Manufacturer:	BLU Products, Inc.
Manufacturer Address:	8600 NW 36th Street, Suite #200 Doral, FL 33166, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	6#	
Hardware Version:	YK507-MB-V1.0	
Software Version:	BLU_C0176_V13.0.G.02.00_GENERIC_26-06-2023_2000	
Modulation Type:	QPSK, 16QAM, 64QAM	
Carrier Aggregation:	Not Support	
Operation Band:	Band 2 / 4 / 5 / 12 / 17 / 66 / 71	
Frequency Range:	LTE Band 2	Tx: 1850MHz–1910MHz
		Rx: 1930MHz–1990MHz
	LTE Band 4	Tx: 1710MHz–1755MHz
		Rx: 2110MHz–2155MHz
	LTE Band 5	Tx: 824MHz–849MHz
		Rx: 869MHz–894MHz
	LTE Band 12	Tx: 699MHz - 716MHz
		Rx: 729MHz – 746MHz
	LTE Band 17	Tx: 704MHz - 716MHz
		Rx: 734MHz – 746MHz
	LTE Band 66	Tx: 1710MHz –1780MHz
		Rx: 2110MHz –2200MHz
	LTE Band 71	Tx: 663MHz –698MHz
		Rx: 617MHz –652MHz



Channel Bandwidth:	LTE Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	LTE Band 12	1.4MHz, 3 MHz, 5 MHz, 10MHz
	LTE Band 17	5 MHz, 10MHz
	LTE Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	LTE Band 71	5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 2	-0.90dBi
	LTE Band 4	-0.61dBi
	LTE Band 5	-1.52dBi
	LTE Band 12	-1.86dBi
	LTE Band 17	-1.89dBi
	LTE Band 66	-0.97dBi
	LTE Band 71	-1.90dBi
Accessory Information:	Battery	
	Brand Name:	BLU
	Model No.:	C775444200L
	Serial No.:	N/A
	Capacity:	2000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Shenzhen Aerospace Electronic Co.,Ltd.
	AC Adapter	
	Brand Name:	BLU
	Model No.:	US-NB-1005
	Serial No.:	N/A
	Rated Output:	5V \pm 1000mA
	Rated Input:	100-240V \sim 50/60Hz, 0.3A
	Manufacturer:	SHENZHEN NANBANG ELECTRONICS CO., LTD

Note 1: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 2		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.058	0.049	0.038	18M0G7D	18M0W7D	18M0W7D	
15	0.058	0.046	0.038	13M5G7D	13M5W7D	13M5W7D	
10	0.057	0.050	0.036	9M00G7D	8M97W7D	8M98W7D	
5	0.057	0.048	0.038	4M50G7D	4M51W7D	4M50W7D	
3	0.057	0.049	0.039	2M69G7D	2M69W7D	2M70W7D	
1.4	0.056	0.046	0.037	1M10G7D	1M10W7D	1M10W7D	
LTE Band 4		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
20	0.063	0.053	0.042	18M0G7D	18M0W7D	18M0W7D	
15	0.062	0.051	0.042	13M5G7D	13M5W7D	13M5W7D	
10	0.062	0.051	0.042	9M02G7D	8M98W7D	8M99W7D	
5	0.061	0.051	0.042	4M50G7D	4M51W7D	4M51W7D	
3	0.063	0.052	0.040	2M69G7D	2M70W7D	2M70W7D	
1.4	0.062	0.052	0.040	1M10G7D	1M10W7D	1M10W7D	
LTE Band 5		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.031	0.025	0.020	9M01G7D	8M98W7D	8M99W7D	
5	0.030	0.026	0.020	4M50G7D	4M50W7D	4M52W7D	
3	0.030	0.025	0.020	2M69G7D	2M69W7D	2M70W7D	
1.4	0.030	0.026	0.019	1M09G7D	1M10W7D	1M10W7D	
LTE Band 12		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.028	0.023	0.019	9M03G7D	9M01W7D	9M03W7D	
5	0.028	0.023	0.019	4M52G7D	4M52W7D	4M53W7D	
3	0.028	0.024	0.018	2M69G7D	2M70W7D	2M70W7D	
1.4	0.028	0.023	0.018	1M10G7D	1M10W7D	1M10W7D	
LTE Band 17		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
10	0.028	0.023	0.018	9M02G7D	8M99W7D	9M01W7D	
5	0.027	0.026	0.018	4M53G7D	4M53W7D	4M54W7D	



LTE Band 66	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.057	0.047	0.040	18M0G7D	18M0W7D	18M0W7D
15	0.057	0.048	0.041	13M5G7D	13M5W7D	13M5W7D
10	0.057	0.050	0.039	9M03G7D	9M01W7D	9M02W7D
5	0.057	0.051	0.040	4M52G7D	4M52W7D	4M53W7D
3	0.056	0.048	0.040	2M69G7D	2M69W7D	2M70W7D
1.4	0.056	0.050	0.040	1M10G7D	1M10W7D	1M10W7D
LTE Band 71	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20	0.028	0.023	0.019	18M0G7D	18M1W7D	18M0W7D
15	0.027	0.023	0.019	13M5G7D	13M5W7D	13M5W7D
10	0.027	0.023	0.019	9M03G7D	8M98W7D	9M01W7D
5	0.027	0.023	0.019	4M52G7D	4M51W7D	4M52W7D



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, Part 27 for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services
4	47 CFR Part 27	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
2.1046 22.913(a)(2) 24.232(c) 27.50(c)(10) 27.50(d)(4)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Jul. 24, 2023	Chen Hao Li Huaijie	PASS	No deviation
2.1049	Occupied Bandwidth	Jul. 12, 2023	Li Huaijie	PASS	No deviation
2.1055 22.355 24.235 27.54	Frequency Stability	Jul. 19, 2023	Li Huaijie	PASS	No deviation
24.232(d), 27.50(d)(5)	Peak to Average Radio	Jul. 13&14, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h)	Conducted Spurious Emissions	Jul. 19, 2023	Li Huaijie	PASS	No deviation
2.1051 22.917(a) 24.238(a) 27.53(g) 27.53(h)	Band Edge	Jul. 19, 2023	Li Huaijie	PASS	No deviation
2.1053	Radiated	Jul. 24, 2023	Gao Jianrou	PASS	No deviation



22.917(a)	Spurious Emissions				
24.238(a)					
27.53(g)					
27.53(h)					

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

Note 3: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 4: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.47 CFR Part 2, Part 22H, Part 24E, Part 27 H&L&M&N Requirements

2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

2.1.1. Requirement

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

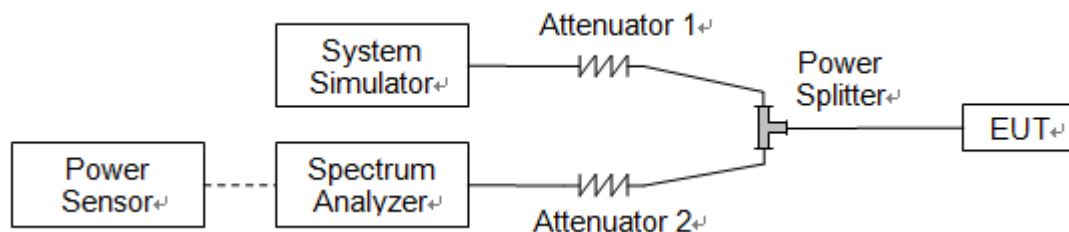
According to FCC section 24.232 (c) for LTE Band 2, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

**2.1.3. Test Procedure**

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

E.I.R.P. (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15

2.1.4. Result**Conducted Output Power:**

LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	22.54	22.57	22.51
20	QPSK	1	49	22.52	22.46	22.39
20	QPSK	1	99	22.46	22.42	22.40
20	QPSK	50	0	21.37	21.46	21.39
20	QPSK	50	24	21.38	21.43	21.43
20	QPSK	50	50	21.43	21.39	21.45
20	QPSK	100	0	21.36	21.45	21.41
20	16QAM	1	0	21.42	21.42	21.44
20	16QAM	1	49	21.26	21.56	21.52
20	16QAM	1	99	21.51	21.36	21.76
20	16QAM	50	0	21.44	21.41	21.39
20	16QAM	50	24	21.40	21.45	21.46
20	16QAM	50	50	21.48	21.45	21.52
20	16QAM	100	0	21.51	21.52	21.39
20	64QAM	1	0	20.46	20.65	20.39
20	64QAM	1	49	20.41	20.59	20.50
20	64QAM	1	99	20.36	20.69	20.69
20	64QAM	50	0	20.46	20.38	20.43
20	64QAM	50	24	20.49	20.43	20.48
20	64QAM	50	50	20.48	20.49	20.43
20	64QAM	100	0	20.36	20.33	20.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.35	22.38	22.29
15	QPSK	1	37	22.14	22.50	22.38
15	QPSK	1	74	22.51	22.43	22.51
15	QPSK	36	0	21.23	21.32	21.31
15	QPSK	36	20	21.22	21.41	21.38
15	QPSK	36	39	21.34	21.35	21.32
15	QPSK	75	0	21.26	21.32	21.28
15	16QAM	1	0	21.35	21.43	21.37
15	16QAM	1	37	21.48	21.51	21.37
15	16QAM	1	74	21.43	21.55	21.55
15	16QAM	36	0	21.22	21.27	21.30
15	16QAM	36	20	21.31	21.24	21.37
15	16QAM	36	39	21.36	21.45	21.42
15	16QAM	75	0	21.23	21.25	21.34
15	64QAM	1	0	20.43	20.19	20.25
15	64QAM	1	37	20.42	20.23	20.65
15	64QAM	1	74	20.31	20.35	20.50
15	64QAM	36	0	20.16	20.33	20.21
15	64QAM	36	20	20.36	20.38	20.28
15	64QAM	36	39	20.24	20.29	20.38
15	64QAM	75	0	20.23	20.30	20.29



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	22.39	22.38	22.48
10	QPSK	1	25	22.43	22.46	22.41
10	QPSK	1	49	22.39	22.40	22.39
10	QPSK	25	0	21.41	21.42	21.38
10	QPSK	25	12	21.37	21.49	21.42
10	QPSK	25	25	21.28	21.41	21.37
10	QPSK	50	0	21.34	21.43	21.41
10	16QAM	1	0	21.82	21.75	21.74
10	16QAM	1	25	21.51	21.47	21.54
10	16QAM	1	49	21.46	21.54	21.33
10	16QAM	25	0	21.36	21.35	21.32
10	16QAM	25	12	21.52	21.32	21.32
10	16QAM	25	25	21.32	21.52	21.62
10	16QAM	50	0	21.89	21.82	21.86
10	64QAM	1	0	20.40	20.45	20.45
10	64QAM	1	25	20.43	20.48	20.52
10	64QAM	1	49	20.10	20.23	20.20
10	64QAM	25	0	20.40	20.44	20.45
10	64QAM	25	12	20.43	20.41	20.42
10	64QAM	25	25	20.36	20.14	20.36
10	64QAM	50	0	20.37	20.37	20.34



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.39	22.44	22.38
5	QPSK	1	12	22.38	22.33	22.36
5	QPSK	1	24	22.34	22.42	22.43
5	QPSK	12	0	21.47	21.38	21.45
5	QPSK	12	7	21.48	21.53	21.45
5	QPSK	12	13	21.26	21.25	21.28
5	QPSK	25	0	21.25	21.23	21.25
5	16QAM	1	0	21.38	21.28	21.66
5	16QAM	1	12	21.36	21.29	21.66
5	16QAM	1	24	21.39	21.26	21.65
5	16QAM	12	0	21.48	21.62	21.48
5	16QAM	12	7	21.38	21.38	21.18
5	16QAM	12	13	21.18	21.51	21.28
5	16QAM	25	0	21.28	21.74	21.72
5	64QAM	1	0	20.48	20.20	20.25
5	64QAM	1	12	20.64	20.30	20.41
5	64QAM	1	24	20.65	20.29	20.31
5	64QAM	12	0	20.30	20.23	20.22
5	64QAM	12	7	20.36	20.20	20.20
5	64QAM	12	13	20.33	20.29	20.27
5	64QAM	25	0	20.40	20.20	20.27



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.33	22.40	22.32
3	QPSK	1	8	22.43	22.46	22.29
3	QPSK	1	14	22.44	22.31	22.31
3	QPSK	8	0	21.35	21.30	21.32
3	QPSK	8	4	21.41	21.35	21.36
3	QPSK	8	7	21.41	21.35	21.31
3	QPSK	15	0	21.33	21.41	21.34
3	16QAM	1	0	21.49	21.40	21.34
3	16QAM	1	8	21.53	21.47	21.43
3	16QAM	1	14	21.25	21.22	21.10
3	16QAM	8	0	21.68	21.81	21.73
3	16QAM	8	4	21.75	21.72	21.78
3	16QAM	8	7	21.65	21.70	21.73
3	16QAM	15	0	21.68	21.72	21.67
3	64QAM	1	0	20.42	20.35	20.38
3	64QAM	1	8	20.84	20.83	20.43
3	64QAM	1	14	20.45	20.81	20.45
3	64QAM	8	0	20.37	20.39	20.23
3	64QAM	8	4	20.47	20.37	20.37
3	64QAM	8	7	20.57	20.46	20.32
3	64QAM	15	0	20.42	20.42	20.40



LTE Band 2						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.39	22.42	22.37
1.4	QPSK	1	3	22.29	22.27	22.26
1.4	QPSK	1	5	22.26	22.24	22.22
1.4	QPSK	3	0	22.26	22.26	22.22
1.4	QPSK	3	1	22.30	22.27	22.25
1.4	QPSK	3	3	22.32	22.36	22.25
1.4	QPSK	6	0	21.31	21.29	21.28
1.4	16QAM	1	0	21.34	21.34	21.28
1.4	16QAM	1	3	21.30	21.50	21.48
1.4	16QAM	1	5	21.18	21.38	21.06
1.4	16QAM	3	0	21.20	21.25	21.22
1.4	16QAM	3	1	21.38	21.20	21.25
1.4	16QAM	3	3	21.40	21.37	21.11
1.4	16QAM	6	0	21.41	21.34	21.29
1.4	64QAM	1	0	20.29	20.21	20.24
1.4	64QAM	1	3	20.31	20.52	20.40
1.4	64QAM	1	5	20.29	20.64	20.23
1.4	64QAM	3	0	20.32	20.38	20.39
1.4	64QAM	3	1	20.41	20.38	20.59
1.4	64QAM	3	3	20.33	20.47	20.24
1.4	64QAM	6	0	20.38	20.41	20.30



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	22.53	22.61	22.60
20	QPSK	1	49	22.39	22.47	22.46
20	QPSK	1	99	22.31	22.44	22.56
20	QPSK	50	0	21.61	21.65	21.62
20	QPSK	50	24	21.52	21.60	21.60
20	QPSK	50	50	21.41	21.52	21.53
20	QPSK	100	0	21.51	21.55	21.62
20	16QAM	1	0	21.38	21.68	21.55
20	16QAM	1	49	21.53	21.30	21.44
20	16QAM	1	99	21.32	21.54	21.38
20	16QAM	50	0	21.51	21.44	21.58
20	16QAM	50	24	21.77	21.88	21.77
20	16QAM	50	50	21.73	21.74	21.74
20	16QAM	100	0	21.75	21.83	21.84
20	64QAM	1	0	20.49	20.60	20.82
20	64QAM	1	49	20.53	20.46	20.34
20	64QAM	1	99	20.80	20.37	20.84
20	64QAM	50	0	20.50	20.59	20.54
20	64QAM	50	24	20.52	20.63	20.57
20	64QAM	50	50	20.56	20.51	20.53
20	64QAM	100	0	20.59	20.57	20.66



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	22.40	22.44	22.54
15	QPSK	1	37	22.44	22.53	22.45
15	QPSK	1	74	22.31	22.53	22.56
15	QPSK	36	0	21.46	21.53	21.56
15	QPSK	36	20	21.50	21.63	21.59
15	QPSK	36	39	21.55	21.54	21.63
15	QPSK	75	0	21.50	21.52	21.53
15	16QAM	1	0	21.44	21.66	21.38
15	16QAM	1	37	21.52	21.52	21.36
15	16QAM	1	74	21.38	21.68	21.47
15	16QAM	36	0	21.39	21.41	21.60
15	16QAM	36	20	21.34	21.41	21.47
15	16QAM	36	39	21.30	21.39	21.45
15	16QAM	75	0	21.41	21.42	21.51
15	64QAM	1	0	20.36	20.67	20.72
15	64QAM	1	37	20.78	20.54	20.60
15	64QAM	1	74	20.82	20.53	20.57
15	64QAM	36	0	20.47	20.54	20.58
15	64QAM	36	20	20.53	20.55	20.57
15	64QAM	36	39	20.56	20.52	20.54
15	64QAM	75	0	20.49	20.60	20.53



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	22.52	22.51	22.34
10	QPSK	1	25	22.50	22.43	22.44
10	QPSK	1	49	22.38	22.21	22.44
10	QPSK	25	0	21.29	21.51	21.53
10	QPSK	25	12	21.41	21.47	21.51
10	QPSK	25	25	21.30	21.41	21.48
10	QPSK	50	0	21.36	21.46	21.38
10	16QAM	1	0	21.35	21.50	21.26
10	16QAM	1	25	21.62	21.36	21.68
10	16QAM	1	49	21.69	21.59	21.58
10	16QAM	25	0	21.35	21.34	21.33
10	16QAM	25	12	21.27	21.37	21.34
10	16QAM	25	25	21.61	21.52	21.61
10	16QAM	50	0	21.55	21.59	21.71
10	64QAM	1	0	20.41	20.49	20.39
10	64QAM	1	25	20.48	20.77	20.86
10	64QAM	1	49	20.46	20.50	20.45
10	64QAM	25	0	20.30	20.44	20.43
10	64QAM	25	12	20.39	20.50	20.54
10	64QAM	25	25	20.27	20.39	20.41
10	64QAM	50	0	20.33	20.40	20.39



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	22.49	22.44	22.49
5	QPSK	1	12	22.48	22.43	22.40
5	QPSK	1	24	22.23	22.35	22.34
5	QPSK	12	0	21.37	21.37	21.41
5	QPSK	12	7	21.37	21.48	21.45
5	QPSK	12	13	21.32	21.49	21.41
5	QPSK	25	0	21.35	21.39	21.45
5	16QAM	1	0	21.25	21.66	21.34
5	16QAM	1	12	21.36	21.71	21.30
5	16QAM	1	24	21.30	21.65	21.25
5	16QAM	12	0	21.29	21.23	21.26
5	16QAM	12	7	21.32	21.36	21.34
5	16QAM	12	13	21.59	21.66	21.70
5	16QAM	25	0	21.60	21.71	21.64
5	64QAM	1	0	20.37	20.81	20.79
5	64QAM	1	12	20.75	20.51	20.78
5	64QAM	1	24	20.71	20.41	20.48
5	64QAM	12	0	20.38	20.45	20.47
5	64QAM	12	7	20.37	20.46	20.52
5	64QAM	12	13	20.38	20.44	20.43
5	64QAM	25	0	20.33	20.47	20.38



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	22.34	22.35	22.47
3	QPSK	1	8	22.43	22.57	22.51
3	QPSK	1	14	22.23	22.42	22.42
3	QPSK	8	0	21.35	21.41	21.42
3	QPSK	8	4	21.41	21.49	21.51
3	QPSK	8	7	21.37	21.47	21.47
3	QPSK	15	0	21.37	21.43	21.37
3	16QAM	1	0	21.45	21.54	21.58
3	16QAM	1	8	21.67	21.67	21.41
3	16QAM	1	14	21.58	21.36	21.44
3	16QAM	8	0	21.37	21.38	21.47
3	16QAM	8	4	21.47	21.47	21.48
3	16QAM	8	7	21.69	21.77	21.81
3	16QAM	15	0	21.69	21.67	21.74
3	64QAM	1	0	20.36	20.45	20.43
3	64QAM	1	8	20.55	20.43	20.59
3	64QAM	1	14	20.36	20.43	20.26
3	64QAM	8	0	20.34	20.38	20.32
3	64QAM	8	4	20.46	20.44	20.48
3	64QAM	8	7	20.40	20.47	20.59
3	64QAM	15	0	20.36	20.44	20.35



LTE Band 4						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.49	22.54	22.52
1.4	QPSK	1	3	22.43	22.43	22.47
1.4	QPSK	1	5	22.29	22.38	22.40
1.4	QPSK	3	0	22.37	22.34	22.33
1.4	QPSK	3	1	22.33	22.43	22.48
1.4	QPSK	3	3	22.32	22.39	22.38
1.4	QPSK	6	0	21.40	21.42	21.38
1.4	16QAM	1	0	21.34	21.81	21.47
1.4	16QAM	1	3	21.47	21.55	21.59
1.4	16QAM	1	5	21.53	21.69	21.49
1.4	16QAM	3	0	21.56	21.60	21.51
1.4	16QAM	3	1	21.57	21.60	21.62
1.4	16QAM	3	3	21.56	21.68	21.57
1.4	16QAM	6	0	21.47	21.48	21.39
1.4	64QAM	1	0	20.25	20.19	20.33
1.4	64QAM	1	3	20.51	20.49	20.61
1.4	64QAM	1	5	20.42	20.38	20.22
1.4	64QAM	3	0	20.33	20.31	20.50
1.4	64QAM	3	1	20.24	20.39	20.36
1.4	64QAM	3	3	20.30	20.47	20.35
1.4	64QAM	6	0	20.29	20.30	20.37



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	22.57	22.58	22.50
10	QPSK	1	25	22.43	22.46	22.26
10	QPSK	1	49	22.35	22.47	22.15
10	QPSK	25	0	21.53	21.55	21.36
10	QPSK	25	12	21.29	21.31	21.36
10	QPSK	25	25	21.29	21.40	21.45
10	QPSK	50	0	21.35	21.23	21.37
10	16QAM	1	0	21.39	21.58	21.29
10	16QAM	1	25	21.62	21.65	21.33
10	16QAM	1	49	21.45	21.51	21.58
10	16QAM	25	0	21.54	21.55	21.37
10	16QAM	25	12	21.48	21.56	21.34
10	16QAM	25	25	21.51	21.44	21.47
10	16QAM	50	0	21.52	21.43	21.33
10	64QAM	1	0	20.48	20.58	20.46
10	64QAM	1	25	20.45	20.65	20.45
10	64QAM	1	49	20.34	20.56	20.47
10	64QAM	25	0	20.45	20.56	20.23
10	64QAM	25	12	20.44	20.61	20.32
10	64QAM	25	25	20.56	20.45	20.15
10	64QAM	50	0	20.52	20.48	20.34



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	22.39	22.35	22.33
5	QPSK	1	12	22.29	22.40	22.24
5	QPSK	1	24	22.29	22.24	22.24
5	QPSK	12	0	21.44	21.49	21.35
5	QPSK	12	7	21.51	21.52	21.44
5	QPSK	12	13	21.56	21.40	21.35
5	QPSK	25	0	21.47	21.43	21.35
5	16QAM	1	0	21.76	21.69	21.45
5	16QAM	1	12	21.46	21.68	21.44
5	16QAM	1	24	21.33	21.68	21.51
5	16QAM	12	0	21.42	21.51	21.50
5	16QAM	12	7	21.49	21.52	21.34
5	16QAM	12	13	21.49	21.40	21.45
5	16QAM	25	0	21.50	21.55	21.50
5	64QAM	1	0	20.57	20.45	20.56
5	64QAM	1	12	20.45	20.39	20.53
5	64QAM	1	24	20.59	20.43	20.37
5	64QAM	12	0	20.31	20.45	20.25
5	64QAM	12	7	20.35	20.51	20.29
5	64QAM	12	13	20.53	20.48	20.05
5	64QAM	25	0	20.41	20.48	20.09



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	22.38	22.39	22.24
3	QPSK	1	8	22.34	22.35	22.26
3	QPSK	1	14	22.35	22.33	22.07
3	QPSK	8	0	21.37	21.50	21.48
3	QPSK	8	4	21.51	21.57	21.54
3	QPSK	8	7	21.46	21.48	21.35
3	QPSK	15	0	21.44	21.50	21.49
3	16QAM	1	0	21.46	21.57	21.64
3	16QAM	1	8	21.39	21.65	21.49
3	16QAM	1	14	21.44	21.70	21.45
3	16QAM	8	0	21.40	21.49	21.23
3	16QAM	8	4	21.56	21.67	21.24
3	16QAM	8	7	21.48	21.54	21.28
3	16QAM	15	0	21.42	21.44	20.99
3	64QAM	1	0	20.37	20.25	20.46
3	64QAM	1	8	20.25	20.49	20.25
3	64QAM	1	14	20.27	20.45	20.26
3	64QAM	8	0	20.37	20.47	20.45
3	64QAM	8	4	20.59	20.43	20.37
3	64QAM	8	7	20.54	20.46	20.43
3	64QAM	15	0	20.43	20.53	20.33



LTE Band 5						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	22.39	22.36	22.40
1.4	QPSK	1	3	22.42	22.35	22.42
1.4	QPSK	1	5	22.31	22.25	22.26
1.4	QPSK	3	0	22.32	22.38	22.34
1.4	QPSK	3	1	22.38	22.25	22.35
1.4	QPSK	3	3	22.39	22.31	22.31
1.4	QPSK	6	0	21.42	21.41	21.40
1.4	16QAM	1	0	21.55	21.36	21.53
1.4	16QAM	1	3	21.35	21.59	21.48
1.4	16QAM	1	5	21.74	21.42	21.48
1.4	16QAM	3	0	21.27	21.25	21.39
1.4	16QAM	3	1	21.30	21.57	21.43
1.4	16QAM	3	3	21.38	21.49	21.37
1.4	16QAM	6	0	21.57	21.44	21.48
1.4	64QAM	1	0	20.10	20.27	20.29
1.4	64QAM	1	3	20.41	20.42	20.37
1.4	64QAM	1	5	20.36	20.35	20.23
1.4	64QAM	3	0	20.02	20.29	20.30
1.4	64QAM	3	1	20.30	20.24	20.25
1.4	64QAM	3	3	20.20	20.37	20.41
1.4	64QAM	6	0	20.41	20.53	20.42



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.38	22.54	22.43
10	QPSK	1	25	22.24	22.37	22.40
10	QPSK	1	49	22.34	22.35	22.34
10	QPSK	25	0	21.63	21.73	21.64
10	QPSK	25	12	21.60	21.54	21.33
10	QPSK	25	25	21.65	21.71	21.64
10	QPSK	50	0	21.66	21.68	21.59
10	16QAM	1	0	21.59	21.14	21.27
10	16QAM	1	25	21.34	21.29	21.43
10	16QAM	1	49	21.43	21.48	21.37
10	16QAM	25	0	21.32	21.34	21.28
10	16QAM	25	12	21.36	21.40	21.29
10	16QAM	25	25	21.41	21.42	21.36
10	16QAM	50	0	21.31	21.39	21.44
10	64QAM	1	0	20.34	20.46	20.80
10	64QAM	1	25	20.78	20.84	20.43
10	64QAM	1	49	20.80	20.48	20.41
10	64QAM	25	0	20.31	20.25	20.22
10	64QAM	25	12	20.36	20.39	20.31
10	64QAM	25	25	20.41	20.38	20.38
10	64QAM	50	0	20.33	20.26	20.37



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	22.13	22.46	22.24
5	QPSK	1	12	22.29	22.45	22.29
5	QPSK	1	24	22.25	22.44	22.30
5	QPSK	12	0	21.36	21.43	21.42
5	QPSK	12	7	21.47	21.49	21.46
5	QPSK	12	13	21.42	21.45	21.42
5	QPSK	25	0	21.38	21.50	21.46
5	16QAM	1	0	21.39	21.41	21.43
5	16QAM	1	12	21.56	21.51	21.52
5	16QAM	1	24	21.52	21.50	21.46
5	16QAM	12	0	21.26	21.23	21.26
5	16QAM	12	7	21.40	21.45	21.29
5	16QAM	12	13	21.35	21.32	21.37
5	16QAM	25	0	21.36	21.32	21.34
5	64QAM	1	0	20.32	20.33	20.38
5	64QAM	1	12	20.77	20.47	20.40
5	64QAM	1	24	20.75	20.44	20.49
5	64QAM	12	0	20.29	20.31	20.26
5	64QAM	12	7	20.39	20.27	20.33
5	64QAM	12	13	20.26	20.36	20.41
5	64QAM	25	0	20.41	20.37	20.34



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.21	22.48	22.15
3	QPSK	1	8	22.39	22.38	22.28
3	QPSK	1	14	22.33	22.44	22.39
3	QPSK	8	0	21.44	21.42	21.42
3	QPSK	8	4	21.47	21.50	21.51
3	QPSK	8	7	21.42	21.50	21.44
3	QPSK	15	0	21.41	21.49	21.35
3	16QAM	1	0	21.42	21.78	21.37
3	16QAM	1	8	21.62	21.60	21.55
3	16QAM	1	14	21.45	21.50	21.36
3	16QAM	8	0	21.42	21.31	21.34
3	16QAM	8	4	21.47	21.44	21.55
3	16QAM	8	7	21.31	21.34	21.40
3	16QAM	15	0	21.29	21.22	21.21
3	64QAM	1	0	20.33	20.67	20.66
3	64QAM	1	8	20.62	20.52	20.53
3	64QAM	1	14	20.55	20.40	20.51
3	64QAM	8	0	20.22	20.30	20.21
3	64QAM	8	4	20.31	20.35	20.34
3	64QAM	8	7	20.30	20.22	20.37
3	64QAM	15	0	20.29	20.31	20.23



LTE Band 12						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.24	22.41	22.21
1.4	QPSK	1	3	22.35	22.34	22.36
1.4	QPSK	1	5	22.24	22.29	22.25
1.4	QPSK	3	0	22.19	22.32	22.30
1.4	QPSK	3	1	22.40	22.40	22.07
1.4	QPSK	3	3	22.35	22.37	22.33
1.4	QPSK	6	0	21.41	21.38	21.36
1.4	16QAM	1	0	21.45	21.39	21.24
1.4	16QAM	1	3	21.26	21.69	21.36
1.4	16QAM	1	5	21.38	21.39	21.38
1.4	16QAM	3	0	21.22	21.25	21.26
1.4	16QAM	3	1	21.38	21.46	21.30
1.4	16QAM	3	3	21.21	21.35	21.35
1.4	16QAM	6	0	21.14	21.34	21.24
1.4	64QAM	1	0	20.17	20.32	20.16
1.4	64QAM	1	3	20.29	20.22	20.27
1.4	64QAM	1	5	20.45	20.48	20.44
1.4	64QAM	3	0	20.35	20.36	20.19
1.4	64QAM	3	1	20.33	20.57	20.42
1.4	64QAM	3	3	20.35	20.19	20.35
1.4	64QAM	6	0	20.31	20.32	20.19



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.43	22.46	22.43
10	QPSK	1	25	22.31	22.27	22.33
10	QPSK	1	49	22.24	22.27	22.22
10	QPSK	25	0	21.54	21.60	21.52
10	QPSK	25	12	21.39	21.33	21.47
10	QPSK	25	25	21.37	21.37	21.46
10	QPSK	50	0	21.50	21.37	21.38
10	16QAM	1	0	21.23	21.42	21.56
10	16QAM	1	25	21.44	21.73	21.57
10	16QAM	1	49	21.40	21.65	21.70
10	16QAM	25	0	21.34	21.58	21.57
10	16QAM	25	12	21.40	21.55	21.53
10	16QAM	25	25	21.23	21.49	21.54
10	16QAM	50	0	21.27	21.56	21.53
10	64QAM	1	0	20.24	20.57	20.25
10	64QAM	1	25	20.47	20.37	20.27
10	64QAM	1	49	20.21	20.24	20.24
10	64QAM	25	0	20.39	20.56	20.54
10	64QAM	25	12	20.31	20.39	20.56
10	64QAM	25	25	20.25	20.46	20.62
10	64QAM	50	0	20.32	20.55	20.56



LTE Band 17						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.37	22.33	22.29
5	QPSK	1	12	22.36	22.32	22.31
5	QPSK	1	24	22.28	22.34	22.33
5	QPSK	12	0	21.44	21.62	21.78
5	QPSK	12	7	21.56	21.65	21.73
5	QPSK	12	13	21.39	21.67	21.73
5	QPSK	25	0	21.42	21.59	21.72
5	16QAM	1	0	21.90	21.95	21.67
5	16QAM	1	12	22.07	21.63	22.00
5	16QAM	1	24	21.91	21.96	22.12
5	16QAM	12	0	21.35	21.38	21.59
5	16QAM	12	7	21.35	21.42	21.54
5	16QAM	12	13	21.26	21.51	21.54
5	16QAM	25	0	21.36	21.48	21.52
5	64QAM	1	0	20.16	20.17	20.17
5	64QAM	1	12	20.20	20.17	20.25
5	64QAM	1	24	20.25	20.25	20.17
5	64QAM	12	0	20.31	20.36	20.60
5	64QAM	12	7	20.44	20.52	20.46
5	64QAM	12	13	20.29	20.47	20.49
5	64QAM	25	0	20.26	20.45	20.61



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	22.50	22.56	22.54
20	QPSK	1	49	22.35	22.34	22.30
20	QPSK	1	99	22.28	22.27	22.30
20	QPSK	50	0	21.61	21.68	21.64
20	QPSK	50	24	21.42	21.44	21.57
20	QPSK	50	50	21.46	21.54	21.42
20	QPSK	100	0	21.44	21.44	21.36
20	16QAM	1	0	21.49	21.25	21.53
20	16QAM	1	49	21.54	21.28	21.34
20	16QAM	1	99	21.54	21.72	21.51
20	16QAM	50	0	21.66	21.63	21.60
20	16QAM	50	24	21.55	21.55	21.56
20	16QAM	50	50	21.52	21.44	21.40
20	16QAM	100	0	21.48	21.51	21.57
20	64QAM	1	0	20.81	20.58	20.91
20	64QAM	1	49	20.58	20.91	20.90
20	64QAM	1	99	20.81	20.93	21.01
20	64QAM	50	0	20.77	20.67	20.80
20	64QAM	50	24	20.71	20.65	20.77
20	64QAM	50	50	20.73	20.61	20.67
20	64QAM	100	0	20.72	20.72	20.70



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	22.48	22.52	22.50
15	QPSK	1	37	22.52	22.48	22.46
15	QPSK	1	74	22.46	22.42	22.40
15	QPSK	36	0	21.55	21.52	21.56
15	QPSK	36	20	21.55	21.47	21.57
15	QPSK	36	39	21.41	21.46	21.43
15	QPSK	75	0	21.50	21.54	21.47
15	16QAM	1	0	21.49	21.36	21.66
15	16QAM	1	37	21.36	21.66	21.59
15	16QAM	1	74	21.46	21.36	21.36
15	16QAM	36	0	21.67	21.67	21.58
15	16QAM	36	20	21.70	21.69	21.75
15	16QAM	36	39	21.62	21.77	21.71
15	16QAM	75	0	21.72	21.70	21.66
15	64QAM	1	0	21.03	20.93	21.03
15	64QAM	1	37	21.05	20.83	20.93
15	64QAM	1	74	20.70	20.96	21.03
15	64QAM	36	0	20.82	20.81	20.94
15	64QAM	36	20	20.92	20.88	20.89
15	64QAM	36	39	20.81	20.75	20.79
15	64QAM	75	0	20.83	20.85	20.82



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	22.51	22.51	22.52
10	QPSK	1	25	22.41	22.39	22.47
10	QPSK	1	49	22.55	22.43	22.33
10	QPSK	25	0	21.86	21.79	21.86
10	QPSK	25	12	21.83	22.02	21.80
10	QPSK	25	25	21.79	21.75	21.67
10	QPSK	50	0	21.87	21.72	21.91
10	16QAM	1	0	21.79	21.79	21.99
10	16QAM	1	25	21.79	21.88	22.00
10	16QAM	1	49	21.62	21.82	21.70
10	16QAM	25	0	21.63	21.80	21.68
10	16QAM	25	12	21.62	21.82	21.73
10	16QAM	25	25	21.53	21.58	21.58
10	16QAM	50	0	21.69	21.73	21.74
10	64QAM	1	0	20.86	20.86	20.53
10	64QAM	1	25	20.53	20.66	20.56
10	64QAM	1	49	20.53	20.53	20.53
10	64QAM	25	0	20.86	20.84	20.86
10	64QAM	25	12	20.85	20.89	20.93
10	64QAM	25	25	20.85	20.78	20.80
10	64QAM	50	0	20.75	20.85	20.86



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	22.40	22.43	22.48
5	QPSK	1	12	22.43	22.43	22.42
5	QPSK	1	24	22.51	22.41	22.47
5	QPSK	12	0	21.55	21.57	21.53
5	QPSK	12	7	21.57	21.65	21.58
5	QPSK	12	13	21.43	21.49	21.50
5	QPSK	25	0	21.53	21.54	21.53
5	16QAM	1	0	22.02	21.71	21.72
5	16QAM	1	12	21.65	21.94	21.89
5	16QAM	1	24	21.77	21.66	22.01
5	16QAM	12	0	21.66	21.77	21.73
5	16QAM	12	7	21.83	21.75	21.87
5	16QAM	12	13	21.74	21.68	21.75
5	16QAM	25	0	21.75	21.77	21.69
5	64QAM	1	0	20.53	20.93	20.73
5	64QAM	1	12	20.83	20.83	20.83
5	64QAM	1	24	20.66	20.70	20.66
5	64QAM	12	0	20.90	20.65	20.86
5	64QAM	12	7	20.98	20.57	20.88
5	64QAM	12	13	20.81	20.93	20.88
5	64QAM	25	0	20.88	20.96	20.83



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	22.47	22.38	22.37
3	QPSK	1	8	22.34	22.35	22.43
3	QPSK	1	14	22.25	22.06	22.36
3	QPSK	8	0	21.81	21.78	21.82
3	QPSK	8	4	21.76	21.68	21.78
3	QPSK	8	7	21.62	21.67	21.64
3	QPSK	15	0	21.71	21.75	21.68
3	16QAM	1	0	21.40	21.81	21.57
3	16QAM	1	8	21.73	21.67	21.66
3	16QAM	1	14	21.77	21.66	21.36
3	16QAM	8	0	21.58	21.58	21.49
3	16QAM	8	4	21.61	21.60	21.66
3	16QAM	8	7	21.53	21.68	21.62
3	16QAM	15	0	21.63	21.61	21.57
3	64QAM	1	0	20.94	20.84	20.94
3	64QAM	1	8	20.96	20.74	20.84
3	64QAM	1	14	20.61	20.87	20.94
3	64QAM	8	0	20.73	20.72	20.85
3	64QAM	8	4	20.83	20.79	20.80
3	64QAM	8	7	20.72	20.66	20.70
3	64QAM	15	0	20.74	20.76	20.73



LTE Band 66						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	22.41	22.32	22.33
1.4	QPSK	1	3	22.47	22.49	22.49
1.4	QPSK	1	5	22.39	22.27	22.43
1.4	QPSK	3	0	22.38	22.31	22.38
1.4	QPSK	3	1	22.35	22.41	22.32
1.4	QPSK	3	3	22.36	22.32	22.24
1.4	QPSK	6	0	21.84	21.69	21.88
1.4	16QAM	1	0	21.71	21.71	21.91
1.4	16QAM	1	3	21.71	21.80	21.92
1.4	16QAM	1	5	21.54	21.74	21.62
1.4	16QAM	3	0	21.49	21.46	21.72
1.4	16QAM	3	1	21.58	21.48	21.60
1.4	16QAM	3	3	21.59	21.60	21.54
1.4	16QAM	6	0	21.48	21.39	21.40
1.4	64QAM	1	0	20.99	20.84	21.00
1.4	64QAM	1	3	20.72	20.81	20.81
1.4	64QAM	1	5	20.69	20.69	20.80
1.4	64QAM	3	0	20.78	20.76	20.78
1.4	64QAM	3	1	20.77	20.81	20.85
1.4	64QAM	3	3	20.77	20.70	20.72
1.4	64QAM	6	0	20.67	20.77	20.78



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133222	133322	133372
Frequency (MHz)				673	683	688
20	QPSK	1	0	22.44	22.48	22.45
20	QPSK	1	49	22.42	22.39	22.45
20	QPSK	1	99	22.40	22.38	22.40
20	QPSK	50	0	21.58	21.66	21.54
20	QPSK	50	24	21.47	21.41	21.26
20	QPSK	50	50	21.49	21.28	21.34
20	QPSK	100	0	21.55	21.29	21.36
20	16QAM	1	0	21.27	21.42	21.70
20	16QAM	1	49	21.23	21.34	21.48
20	16QAM	1	99	21.38	21.27	21.28
20	16QAM	50	0	21.38	21.24	21.27
20	16QAM	50	24	21.33	21.13	21.28
20	16QAM	50	50	21.40	21.20	21.28
20	16QAM	100	0	21.28	21.30	21.30
20	64QAM	1	0	20.70	20.57	20.39
20	64QAM	1	49	20.35	20.39	20.49
20	64QAM	1	99	20.39	20.35	20.67
20	64QAM	50	0	20.75	20.56	20.55
20	64QAM	50	24	20.84	20.56	20.47
20	64QAM	50	50	20.82	20.62	20.38
20	64QAM	100	0	20.76	20.59	20.52



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	22.36	22.40	22.37
15	QPSK	1	37	22.39	22.38	22.31
15	QPSK	1	74	22.25	22.38	22.30
15	QPSK	36	0	21.60	21.41	21.27
15	QPSK	36	20	21.56	21.38	21.17
15	QPSK	36	39	21.55	21.39	21.24
15	QPSK	75	0	21.56	21.44	21.26
15	16QAM	1	0	21.28	21.60	21.37
15	16QAM	1	37	21.37	21.46	21.51
15	16QAM	1	74	21.31	21.30	21.28
15	16QAM	36	0	21.32	21.46	21.75
15	16QAM	36	20	21.33	21.49	21.57
15	16QAM	36	39	21.50	21.38	21.44
15	16QAM	75	0	21.67	21.54	21.56
15	64QAM	1	0	20.65	20.65	20.47
15	64QAM	1	37	20.75	20.47	20.49
15	64QAM	1	74	20.47	20.46	20.46
15	64QAM	36	0	20.82	20.59	20.54
15	64QAM	36	20	20.58	20.60	20.53
15	64QAM	36	39	20.48	20.61	20.36
15	64QAM	75	0	20.78	20.57	20.50



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133172	133272	133422
Frequency (MHz)				668	678	693
10	QPSK	1	0	22.35	22.40	22.36
10	QPSK	1	25	22.30	22.34	22.36
10	QPSK	1	49	22.26	22.38	22.38
10	QPSK	25	0	21.54	21.36	21.25
10	QPSK	25	12	21.64	21.35	21.35
10	QPSK	25	25	21.53	21.30	21.24
10	QPSK	50	0	21.57	21.38	21.43
10	16QAM	1	0	21.28	21.28	21.29
10	16QAM	1	25	21.32	21.22	21.19
10	16QAM	1	49	21.37	21.37	21.42
10	16QAM	25	0	21.65	21.47	21.45
10	16QAM	25	12	21.50	21.52	21.21
10	16QAM	25	25	21.62	21.47	21.26
10	16QAM	50	0	21.17	21.31	21.28
10	64QAM	1	0	20.66	20.48	20.46
10	64QAM	1	25	20.55	20.66	20.47
10	64QAM	1	49	20.49	20.46	20.46
10	64QAM	25	0	20.76	20.54	20.37
10	64QAM	25	12	20.35	20.67	20.38
10	64QAM	25	25	20.75	20.64	20.30
10	64QAM	50	0	20.75	20.54	20.36



LTE Band 71						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5
5	QPSK	1	0	22.39	22.36	22.41
5	QPSK	1	12	22.30	22.38	22.30
5	QPSK	1	24	22.35	22.31	22.37
5	QPSK	12	0	21.44	21.28	21.47
5	QPSK	12	7	21.61	21.35	21.24
5	QPSK	12	13	21.61	21.34	21.45
5	QPSK	25	0	21.46	21.26	21.36
5	16QAM	1	0	21.57	21.51	21.52
5	16QAM	1	12	21.56	21.45	21.48
5	16QAM	1	24	21.54	21.39	21.39
5	16QAM	12	0	21.63	21.26	21.33
5	16QAM	12	7	21.57	21.24	21.28
5	16QAM	12	13	21.33	21.30	21.24
5	16QAM	25	0	21.40	21.27	21.37
5	64QAM	1	0	20.35	20.79	20.58
5	64QAM	1	12	20.65	20.75	20.49
5	64QAM	1	24	20.59	20.75	20.65
5	64QAM	12	0	20.48	20.53	20.43
5	64QAM	12	7	20.48	20.57	20.43
5	64QAM	12	13	20.75	20.63	20.42
5	64QAM	25	0	20.75	20.61	20.40



Effective Radiated Power and Effective Isotropic Radiated Power

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.64	0.058	17.67	0.058	17.61	0.058
20	QPSK	1	49	17.62	0.058	17.56	0.057	17.49	0.056
20	QPSK	1	99	17.56	0.057	17.52	0.056	17.50	0.056
20	QPSK	50	0	16.47	0.044	16.56	0.045	16.49	0.045
20	QPSK	50	24	16.48	0.044	16.53	0.045	16.53	0.045
20	QPSK	50	50	16.53	0.045	16.49	0.045	16.55	0.045
20	QPSK	100	0	16.46	0.044	16.55	0.045	16.51	0.045
20	16QAM	1	0	16.52	0.045	16.52	0.045	16.54	0.045
20	16QAM	1	49	16.36	0.043	16.66	0.046	16.62	0.046
20	16QAM	1	99	16.61	0.046	16.46	0.044	16.86	0.049
20	16QAM	50	0	16.54	0.045	16.51	0.045	16.49	0.045
20	16QAM	50	24	16.50	0.045	16.55	0.045	16.56	0.045
20	16QAM	50	50	16.58	0.045	16.55	0.045	16.62	0.046
20	16QAM	100	0	16.61	0.046	16.62	0.046	16.49	0.045
20	64QAM	1	0	15.56	0.036	15.75	0.038	15.49	0.035
20	64QAM	1	49	15.51	0.036	15.69	0.037	15.60	0.036
20	64QAM	1	99	15.46	0.035	15.79	0.038	15.79	0.038
20	64QAM	50	0	15.56	0.036	15.48	0.035	15.53	0.036
20	64QAM	50	24	15.59	0.036	15.53	0.036	15.58	0.036
20	64QAM	50	50	15.58	0.036	15.59	0.036	15.53	0.036
20	64QAM	100	0	15.46	0.035	15.43	0.035	15.44	0.035



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.45	0.056	17.48	0.056	17.39	0.055
15	QPSK	1	37	17.24	0.053	17.60	0.058	17.48	0.056
15	QPSK	1	74	17.61	0.058	17.53	0.057	17.61	0.058
15	QPSK	36	0	16.33	0.043	16.42	0.044	16.41	0.044
15	QPSK	36	20	16.32	0.043	16.51	0.045	16.48	0.044
15	QPSK	36	39	16.44	0.044	16.45	0.044	16.42	0.044
15	QPSK	75	0	16.36	0.043	16.42	0.044	16.38	0.043
15	16QAM	1	0	16.45	0.044	16.53	0.045	16.47	0.044
15	16QAM	1	37	16.58	0.045	16.61	0.046	16.47	0.044
15	16QAM	1	74	16.53	0.045	16.65	0.046	16.65	0.046
15	16QAM	36	0	16.32	0.043	16.37	0.043	16.40	0.044
15	16QAM	36	20	16.41	0.044	16.34	0.043	16.47	0.044
15	16QAM	36	39	16.46	0.044	16.55	0.045	16.52	0.045
15	16QAM	75	0	16.33	0.043	16.35	0.043	16.44	0.044
15	64QAM	1	0	15.53	0.036	15.29	0.034	15.35	0.034
15	64QAM	1	37	15.52	0.036	15.33	0.034	15.75	0.038
15	64QAM	1	74	15.41	0.035	15.45	0.035	15.60	0.036
15	64QAM	36	0	15.26	0.034	15.43	0.035	15.31	0.034
15	64QAM	36	20	15.46	0.035	15.48	0.035	15.38	0.035
15	64QAM	36	39	15.34	0.034	15.39	0.035	15.48	0.035
15	64QAM	75	0	15.33	0.034	15.40	0.035	15.39	0.035



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.49	0.056	17.48	0.056	17.58	0.057
10	QPSK	1	25	17.53	0.057	17.56	0.057	17.51	0.056
10	QPSK	1	49	17.49	0.056	17.50	0.056	17.49	0.056
10	QPSK	25	0	16.51	0.045	16.52	0.045	16.48	0.044
10	QPSK	25	12	16.47	0.044	16.59	0.046	16.52	0.045
10	QPSK	25	25	16.38	0.043	16.51	0.045	16.47	0.044
10	QPSK	50	0	16.44	0.044	16.53	0.045	16.51	0.045
10	16QAM	1	0	16.92	0.049	16.85	0.048	16.84	0.048
10	16QAM	1	25	16.61	0.046	16.57	0.045	16.64	0.046
10	16QAM	1	49	16.56	0.045	16.64	0.046	16.43	0.044
10	16QAM	25	0	16.46	0.044	16.45	0.044	16.42	0.044
10	16QAM	25	12	16.62	0.046	16.42	0.044	16.42	0.044
10	16QAM	25	25	16.42	0.044	16.62	0.046	16.72	0.047
10	16QAM	50	0	16.99	0.050	16.92	0.049	16.96	0.050
10	64QAM	1	0	15.50	0.035	15.55	0.036	15.55	0.036
10	64QAM	1	25	15.53	0.036	15.58	0.036	15.62	0.036
10	64QAM	1	49	15.20	0.033	15.33	0.034	15.30	0.034
10	64QAM	25	0	15.50	0.035	15.54	0.036	15.55	0.036
10	64QAM	25	12	15.53	0.036	15.51	0.036	15.52	0.036
10	64QAM	25	25	15.46	0.035	15.24	0.033	15.46	0.035
10	64QAM	50	0	15.47	0.035	15.47	0.035	15.44	0.035



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.49	0.056	17.54	0.057	17.48	0.056
5	QPSK	1	12	17.48	0.056	17.43	0.055	17.46	0.056
5	QPSK	1	24	17.44	0.055	17.52	0.056	17.53	0.057
5	QPSK	12	0	16.57	0.045	16.48	0.044	16.55	0.045
5	QPSK	12	7	16.58	0.045	16.63	0.046	16.55	0.045
5	QPSK	12	13	16.36	0.043	16.35	0.043	16.38	0.043
5	QPSK	25	0	16.35	0.043	16.33	0.043	16.35	0.043
5	16QAM	1	0	16.48	0.044	16.38	0.043	16.76	0.047
5	16QAM	1	12	16.46	0.044	16.39	0.044	16.76	0.047
5	16QAM	1	24	16.49	0.045	16.36	0.043	16.75	0.047
5	16QAM	12	0	16.58	0.045	16.72	0.047	16.58	0.045
5	16QAM	12	7	16.48	0.044	16.48	0.044	16.28	0.042
5	16QAM	12	13	16.28	0.042	16.61	0.046	16.38	0.043
5	16QAM	25	0	16.38	0.043	16.84	0.048	16.82	0.048
5	64QAM	1	0	15.58	0.036	15.30	0.034	15.35	0.034
5	64QAM	1	12	15.74	0.037	15.40	0.035	15.51	0.036
5	64QAM	1	24	15.75	0.038	15.39	0.035	15.41	0.035
5	64QAM	12	0	15.40	0.035	15.33	0.034	15.32	0.034
5	64QAM	12	7	15.46	0.035	15.30	0.034	15.30	0.034
5	64QAM	12	13	15.43	0.035	15.39	0.035	15.37	0.034
5	64QAM	25	0	15.50	0.035	15.30	0.034	15.37	0.034



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18615		18900		19185	
Frequency (MHz)				1851.5		1880		1908.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.43	0.055	17.50	0.056	17.42	0.055
3	QPSK	1	8	17.53	0.057	17.56	0.057	17.39	0.055
3	QPSK	1	14	17.54	0.057	17.41	0.055	17.41	0.055
3	QPSK	8	0	16.45	0.044	16.40	0.044	16.42	0.044
3	QPSK	8	4	16.51	0.045	16.45	0.044	16.46	0.044
3	QPSK	8	7	16.51	0.045	16.45	0.044	16.41	0.044
3	QPSK	15	0	16.43	0.044	16.51	0.045	16.44	0.044
3	16QAM	1	0	16.59	0.046	16.50	0.045	16.44	0.044
3	16QAM	1	8	16.63	0.046	16.57	0.045	16.53	0.045
3	16QAM	1	14	16.35	0.043	16.32	0.043	16.20	0.042
3	16QAM	8	0	16.78	0.048	16.91	0.049	16.83	0.048
3	16QAM	8	4	16.85	0.048	16.82	0.048	16.88	0.049
3	16QAM	8	7	16.75	0.047	16.80	0.048	16.83	0.048
3	16QAM	15	0	16.78	0.048	16.82	0.048	16.77	0.048
3	64QAM	1	0	15.52	0.036	15.45	0.035	15.48	0.035
3	64QAM	1	8	15.94	0.039	15.93	0.039	15.53	0.036
3	64QAM	1	14	15.55	0.036	15.91	0.039	15.55	0.036
3	64QAM	8	0	15.47	0.035	15.49	0.035	15.33	0.034
3	64QAM	8	4	15.57	0.036	15.47	0.035	15.47	0.035
3	64QAM	8	7	15.67	0.037	15.56	0.036	15.42	0.035
3	64QAM	15	0	15.52	0.036	15.52	0.036	15.50	0.035



LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.49	0.056	17.52	0.056	17.47	0.056
1.4	QPSK	1	3	17.39	0.055	17.37	0.055	17.36	0.054
1.4	QPSK	1	5	17.36	0.054	17.34	0.054	17.32	0.054
1.4	QPSK	3	0	17.36	0.054	17.36	0.054	17.32	0.054
1.4	QPSK	3	1	17.40	0.055	17.37	0.055	17.35	0.054
1.4	QPSK	3	3	17.42	0.055	17.46	0.056	17.35	0.054
1.4	QPSK	6	0	16.41	0.044	16.39	0.044	16.38	0.043
1.4	16QAM	1	0	16.44	0.044	16.44	0.044	16.38	0.043
1.4	16QAM	1	3	16.40	0.044	16.60	0.046	16.58	0.045
1.4	16QAM	1	5	16.28	0.042	16.48	0.044	16.16	0.041
1.4	16QAM	3	0	16.30	0.043	16.35	0.043	16.32	0.043
1.4	16QAM	3	1	16.48	0.044	16.30	0.043	16.35	0.043
1.4	16QAM	3	3	16.50	0.045	16.47	0.044	16.21	0.042
1.4	16QAM	6	0	16.51	0.045	16.44	0.044	16.39	0.044
1.4	64QAM	1	0	15.39	0.035	15.31	0.034	15.34	0.034
1.4	64QAM	1	3	15.41	0.035	15.62	0.036	15.50	0.035
1.4	64QAM	1	5	15.39	0.035	15.74	0.037	15.33	0.034
1.4	64QAM	3	0	15.42	0.035	15.48	0.035	15.49	0.035
1.4	64QAM	3	1	15.51	0.036	15.48	0.035	15.69	0.037
1.4	64QAM	3	3	15.43	0.035	15.57	0.036	15.34	0.034
1.4	64QAM	6	0	15.48	0.035	15.51	0.036	15.40	0.035



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.92	0.062	18.00	0.063	17.99	0.063
20	QPSK	1	49	17.78	0.060	17.86	0.061	17.85	0.061
20	QPSK	1	99	17.70	0.059	17.83	0.061	17.95	0.062
20	QPSK	50	0	17.00	0.050	17.04	0.051	17.01	0.050
20	QPSK	50	24	16.91	0.049	16.99	0.050	16.99	0.050
20	QPSK	50	50	16.80	0.048	16.91	0.049	16.92	0.049
20	QPSK	100	0	16.90	0.049	16.94	0.049	17.01	0.050
20	16QAM	1	0	16.77	0.048	17.07	0.051	16.94	0.049
20	16QAM	1	49	16.92	0.049	16.69	0.047	16.83	0.048
20	16QAM	1	99	16.71	0.047	16.93	0.049	16.77	0.048
20	16QAM	50	0	16.90	0.049	16.83	0.048	16.97	0.050
20	16QAM	50	24	17.16	0.052	17.27	0.053	17.16	0.052
20	16QAM	50	50	17.12	0.052	17.13	0.052	17.13	0.052
20	16QAM	100	0	17.14	0.052	17.22	0.053	17.23	0.053
20	64QAM	1	0	15.88	0.039	15.99	0.040	16.21	0.042
20	64QAM	1	49	15.92	0.039	15.85	0.038	15.73	0.037
20	64QAM	1	99	16.19	0.042	15.76	0.038	16.23	0.042
20	64QAM	50	0	15.89	0.039	15.98	0.040	15.93	0.039
20	64QAM	50	24	15.91	0.039	16.02	0.040	15.96	0.039
20	64QAM	50	50	15.95	0.039	15.90	0.039	15.92	0.039
20	64QAM	100	0	15.98	0.040	15.96	0.039	16.05	0.040



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.79	0.060	17.83	0.061	17.93	0.062
15	QPSK	1	37	17.83	0.061	17.92	0.062	17.84	0.061
15	QPSK	1	74	17.70	0.059	17.92	0.062	17.95	0.062
15	QPSK	36	0	16.85	0.048	16.92	0.049	16.95	0.050
15	QPSK	36	20	16.89	0.049	17.02	0.050	16.98	0.050
15	QPSK	36	39	16.94	0.049	16.93	0.049	17.02	0.050
15	QPSK	75	0	16.89	0.049	16.91	0.049	16.92	0.049
15	16QAM	1	0	16.83	0.048	17.05	0.051	16.77	0.048
15	16QAM	1	37	16.91	0.049	16.91	0.049	16.75	0.047
15	16QAM	1	74	16.77	0.048	17.07	0.051	16.86	0.049
15	16QAM	36	0	16.78	0.048	16.80	0.048	16.99	0.050
15	16QAM	36	20	16.73	0.047	16.80	0.048	16.86	0.049
15	16QAM	36	39	16.69	0.047	16.78	0.048	16.84	0.048
15	16QAM	75	0	16.80	0.048	16.81	0.048	16.90	0.049
15	64QAM	1	0	15.75	0.038	16.06	0.040	16.11	0.041
15	64QAM	1	37	16.17	0.041	15.93	0.039	15.99	0.040
15	64QAM	1	74	16.21	0.042	15.92	0.039	15.96	0.039
15	64QAM	36	0	15.86	0.039	15.93	0.039	15.97	0.040
15	64QAM	36	20	15.92	0.039	15.94	0.039	15.96	0.039
15	64QAM	36	39	15.95	0.039	15.91	0.039	15.93	0.039
15	64QAM	75	0	15.88	0.039	15.99	0.040	15.92	0.039



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.91	0.062	17.90	0.062	17.73	0.059
10	QPSK	1	25	17.89	0.062	17.82	0.061	17.83	0.061
10	QPSK	1	49	17.77	0.060	17.60	0.058	17.83	0.061
10	QPSK	25	0	16.68	0.047	16.90	0.049	16.92	0.049
10	QPSK	25	12	16.80	0.048	16.86	0.049	16.90	0.049
10	QPSK	25	25	16.69	0.047	16.80	0.048	16.87	0.049
10	QPSK	50	0	16.75	0.047	16.85	0.048	16.77	0.048
10	16QAM	1	0	16.74	0.047	16.89	0.049	16.65	0.046
10	16QAM	1	25	17.01	0.050	16.75	0.047	17.07	0.051
10	16QAM	1	49	17.08	0.051	16.98	0.050	16.97	0.050
10	16QAM	25	0	16.74	0.047	16.73	0.047	16.72	0.047
10	16QAM	25	12	16.66	0.046	16.76	0.047	16.73	0.047
10	16QAM	25	25	17.00	0.050	16.91	0.049	17.00	0.050
10	16QAM	50	0	16.94	0.049	16.98	0.050	17.10	0.051
10	64QAM	1	0	15.80	0.038	15.88	0.039	15.78	0.038
10	64QAM	1	25	15.87	0.039	16.16	0.041	16.25	0.042
10	64QAM	1	49	15.85	0.038	15.89	0.039	15.84	0.038
10	64QAM	25	0	15.69	0.037	15.83	0.038	15.82	0.038
10	64QAM	25	12	15.78	0.038	15.89	0.039	15.93	0.039
10	64QAM	25	25	15.66	0.037	15.78	0.038	15.80	0.038
10	64QAM	50	0	15.72	0.037	15.79	0.038	15.78	0.038



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.88	0.061	17.83	0.061	17.88	0.061
5	QPSK	1	12	17.87	0.061	17.82	0.061	17.79	0.060
5	QPSK	1	24	17.62	0.058	17.74	0.059	17.73	0.059
5	QPSK	12	0	16.76	0.047	16.76	0.047	16.80	0.048
5	QPSK	12	7	16.76	0.047	16.87	0.049	16.84	0.048
5	QPSK	12	13	16.71	0.047	16.88	0.049	16.80	0.048
5	QPSK	25	0	16.74	0.047	16.78	0.048	16.84	0.048
5	16QAM	1	0	16.64	0.046	17.05	0.051	16.73	0.047
5	16QAM	1	12	16.75	0.047	17.10	0.051	16.69	0.047
5	16QAM	1	24	16.69	0.047	17.04	0.051	16.64	0.046
5	16QAM	12	0	16.68	0.047	16.62	0.046	16.65	0.046
5	16QAM	12	7	16.71	0.047	16.75	0.047	16.73	0.047
5	16QAM	12	13	16.98	0.050	17.05	0.051	17.09	0.051
5	16QAM	25	0	16.99	0.050	17.10	0.051	17.03	0.050
5	64QAM	1	0	15.76	0.038	16.20	0.042	16.18	0.041
5	64QAM	1	12	16.14	0.041	15.90	0.039	16.17	0.041
5	64QAM	1	24	16.10	0.041	15.80	0.038	15.87	0.039
5	64QAM	12	0	15.77	0.038	15.84	0.038	15.86	0.039
5	64QAM	12	7	15.76	0.038	15.85	0.038	15.91	0.039
5	64QAM	12	13	15.77	0.038	15.83	0.038	15.82	0.038
5	64QAM	25	0	15.72	0.037	15.86	0.039	15.77	0.038



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.73	0.059	17.74	0.059	17.86	0.061
3	QPSK	1	8	17.82	0.061	17.96	0.063	17.90	0.062
3	QPSK	1	14	17.62	0.058	17.81	0.060	17.81	0.060
3	QPSK	8	0	16.74	0.047	16.80	0.048	16.81	0.048
3	QPSK	8	4	16.80	0.048	16.88	0.049	16.90	0.049
3	QPSK	8	7	16.76	0.047	16.86	0.049	16.86	0.049
3	QPSK	15	0	16.76	0.047	16.82	0.048	16.76	0.047
3	16QAM	1	0	16.84	0.048	16.93	0.049	16.97	0.050
3	16QAM	1	8	17.06	0.051	17.06	0.051	16.80	0.048
3	16QAM	1	14	16.97	0.050	16.75	0.047	16.83	0.048
3	16QAM	8	0	16.76	0.047	16.77	0.048	16.86	0.049
3	16QAM	8	4	16.86	0.049	16.86	0.049	16.87	0.049
3	16QAM	8	7	17.08	0.051	17.16	0.052	17.20	0.052
3	16QAM	15	0	17.08	0.051	17.06	0.051	17.13	0.052
3	64QAM	1	0	15.75	0.038	15.84	0.038	15.82	0.038
3	64QAM	1	8	15.94	0.039	15.82	0.038	15.98	0.040
3	64QAM	1	14	15.75	0.038	15.82	0.038	15.65	0.037
3	64QAM	8	0	15.73	0.037	15.77	0.038	15.71	0.037
3	64QAM	8	4	15.85	0.038	15.83	0.038	15.87	0.039
3	64QAM	8	7	15.79	0.038	15.86	0.039	15.98	0.040
3	64QAM	15	0	15.75	0.038	15.83	0.038	15.74	0.037



LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.88	0.061	17.93	0.062	17.91	0.062
1.4	QPSK	1	3	17.82	0.061	17.82	0.061	17.86	0.061
1.4	QPSK	1	5	17.68	0.059	17.77	0.060	17.79	0.060
1.4	QPSK	3	0	17.76	0.060	17.73	0.059	17.72	0.059
1.4	QPSK	3	1	17.72	0.059	17.82	0.061	17.87	0.061
1.4	QPSK	3	3	17.71	0.059	17.78	0.060	17.77	0.060
1.4	QPSK	6	0	16.79	0.048	16.81	0.048	16.77	0.048
1.4	16QAM	1	0	16.73	0.047	17.20	0.052	16.86	0.049
1.4	16QAM	1	3	16.86	0.049	16.94	0.049	16.98	0.050
1.4	16QAM	1	5	16.92	0.049	17.08	0.051	16.88	0.049
1.4	16QAM	3	0	16.95	0.050	16.99	0.050	16.90	0.049
1.4	16QAM	3	1	16.96	0.050	16.99	0.050	17.01	0.050
1.4	16QAM	3	3	16.95	0.050	17.07	0.051	16.96	0.050
1.4	16QAM	6	0	16.86	0.049	16.87	0.049	16.78	0.048
1.4	64QAM	1	0	15.64	0.037	15.58	0.036	15.72	0.037
1.4	64QAM	1	3	15.90	0.039	15.88	0.039	16.00	0.040
1.4	64QAM	1	5	15.81	0.038	15.77	0.038	15.61	0.036
1.4	64QAM	3	0	15.72	0.037	15.70	0.037	15.89	0.039
1.4	64QAM	3	1	15.63	0.037	15.78	0.038	15.75	0.038
1.4	64QAM	3	3	15.69	0.037	15.86	0.039	15.74	0.037
1.4	64QAM	6	0	15.68	0.037	15.69	0.037	15.76	0.038



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	14.90	0.031	14.91	0.031	14.83	0.030
10	QPSK	1	25	14.76	0.030	14.79	0.030	14.59	0.029
10	QPSK	1	49	14.68	0.029	14.80	0.030	14.48	0.028
10	QPSK	25	0	13.86	0.024	13.88	0.024	13.69	0.023
10	QPSK	25	12	13.62	0.023	13.64	0.023	13.69	0.023
10	QPSK	25	25	13.62	0.023	13.73	0.024	13.78	0.024
10	QPSK	50	0	13.68	0.023	13.56	0.023	13.70	0.023
10	16QAM	1	0	13.72	0.024	13.91	0.025	13.62	0.023
10	16QAM	1	25	13.95	0.025	13.98	0.025	13.66	0.023
10	16QAM	1	49	13.78	0.024	13.84	0.024	13.91	0.025
10	16QAM	25	0	13.87	0.024	13.88	0.024	13.70	0.023
10	16QAM	25	12	13.81	0.024	13.89	0.024	13.67	0.023
10	16QAM	25	25	13.84	0.024	13.77	0.024	13.80	0.024
10	16QAM	50	0	13.85	0.024	13.76	0.024	13.66	0.023
10	64QAM	1	0	12.81	0.019	12.91	0.020	12.79	0.019
10	64QAM	1	25	12.78	0.019	12.98	0.020	12.78	0.019
10	64QAM	1	49	12.67	0.018	12.89	0.019	12.80	0.019
10	64QAM	25	0	12.78	0.019	12.89	0.019	12.56	0.018
10	64QAM	25	12	12.77	0.019	12.94	0.020	12.65	0.018
10	64QAM	25	25	12.89	0.019	12.78	0.019	12.48	0.018
10	64QAM	50	0	12.85	0.019	12.81	0.019	12.67	0.018



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	14.72	0.030	14.68	0.029	14.66	0.029
5	QPSK	1	12	14.62	0.029	14.73	0.030	14.57	0.029
5	QPSK	1	24	14.62	0.029	14.57	0.029	14.57	0.029
5	QPSK	12	0	13.77	0.024	13.82	0.024	13.68	0.023
5	QPSK	12	7	13.84	0.024	13.85	0.024	13.77	0.024
5	QPSK	12	13	13.89	0.024	13.73	0.024	13.68	0.023
5	QPSK	25	0	13.80	0.024	13.76	0.024	13.68	0.023
5	16QAM	1	0	14.09	0.026	14.02	0.025	13.78	0.024
5	16QAM	1	12	13.79	0.024	14.01	0.025	13.77	0.024
5	16QAM	1	24	13.66	0.023	14.01	0.025	13.84	0.024
5	16QAM	12	0	13.75	0.024	13.84	0.024	13.83	0.024
5	16QAM	12	7	13.82	0.024	13.85	0.024	13.67	0.023
5	16QAM	12	13	13.82	0.024	13.73	0.024	13.78	0.024
5	16QAM	25	0	13.83	0.024	13.88	0.024	13.83	0.024
5	64QAM	1	0	12.90	0.019	12.78	0.019	12.89	0.019
5	64QAM	1	12	12.78	0.019	12.72	0.019	12.86	0.019
5	64QAM	1	24	12.92	0.020	12.76	0.019	12.70	0.019
5	64QAM	12	0	12.64	0.018	12.78	0.019	12.58	0.018
5	64QAM	12	7	12.68	0.019	12.84	0.019	12.62	0.018
5	64QAM	12	13	12.86	0.019	12.81	0.019	12.38	0.017
5	64QAM	25	0	12.74	0.019	12.81	0.019	12.42	0.017



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	14.71	0.030	14.72	0.030	14.57	0.029
3	QPSK	1	8	14.67	0.029	14.68	0.029	14.59	0.029
3	QPSK	1	14	14.68	0.029	14.66	0.029	14.40	0.028
3	QPSK	8	0	13.70	0.023	13.83	0.024	13.81	0.024
3	QPSK	8	4	13.84	0.024	13.90	0.025	13.87	0.024
3	QPSK	8	7	13.79	0.024	13.81	0.024	13.68	0.023
3	QPSK	15	0	13.77	0.024	13.83	0.024	13.82	0.024
3	16QAM	1	0	13.79	0.024	13.90	0.025	13.97	0.025
3	16QAM	1	8	13.72	0.024	13.98	0.025	13.82	0.024
3	16QAM	1	14	13.77	0.024	14.03	0.025	13.78	0.024
3	16QAM	8	0	13.73	0.024	13.82	0.024	13.56	0.023
3	16QAM	8	4	13.89	0.024	14.00	0.025	13.57	0.023
3	16QAM	8	7	13.81	0.024	13.87	0.024	13.61	0.023
3	16QAM	15	0	13.75	0.024	13.77	0.024	13.32	0.021
3	64QAM	1	0	12.70	0.019	12.58	0.018	12.79	0.019
3	64QAM	1	8	12.58	0.018	12.82	0.019	12.58	0.018
3	64QAM	1	14	12.60	0.018	12.78	0.019	12.59	0.018
3	64QAM	8	0	12.70	0.019	12.80	0.019	12.78	0.019
3	64QAM	8	4	12.92	0.020	12.76	0.019	12.70	0.019
3	64QAM	8	7	12.87	0.019	12.79	0.019	12.76	0.019
3	64QAM	15	0	12.76	0.019	12.86	0.019	12.66	0.018



LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	14.72	0.030	14.69	0.029	14.73	0.030
1.4	QPSK	1	3	14.75	0.030	14.68	0.029	14.75	0.030
1.4	QPSK	1	5	14.64	0.029	14.58	0.029	14.59	0.029
1.4	QPSK	3	0	14.65	0.029	14.71	0.030	14.67	0.029
1.4	QPSK	3	1	14.71	0.030	14.58	0.029	14.68	0.029
1.4	QPSK	3	3	14.72	0.030	14.64	0.029	14.64	0.029
1.4	QPSK	6	0	13.75	0.024	13.74	0.024	13.73	0.024
1.4	16QAM	1	0	13.88	0.024	13.69	0.023	13.86	0.024
1.4	16QAM	1	3	13.68	0.023	13.92	0.025	13.81	0.024
1.4	16QAM	1	5	14.07	0.026	13.75	0.024	13.81	0.024
1.4	16QAM	3	0	13.60	0.023	13.58	0.023	13.72	0.024
1.4	16QAM	3	1	13.63	0.023	13.90	0.025	13.76	0.024
1.4	16QAM	3	3	13.71	0.023	13.82	0.024	13.70	0.023
1.4	16QAM	6	0	13.90	0.025	13.77	0.024	13.81	0.024
1.4	64QAM	1	0	12.43	0.017	12.60	0.018	12.62	0.018
1.4	64QAM	1	3	12.74	0.019	12.75	0.019	12.70	0.019
1.4	64QAM	1	5	12.69	0.019	12.68	0.019	12.56	0.018
1.4	64QAM	3	0	12.35	0.017	12.62	0.018	12.63	0.018
1.4	64QAM	3	1	12.63	0.018	12.57	0.018	12.58	0.018
1.4	64QAM	3	3	12.53	0.018	12.70	0.019	12.74	0.019
1.4	64QAM	6	0	12.74	0.019	12.86	0.019	12.75	0.019



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	14.37	0.027	14.53	0.028	14.42	0.028
10	QPSK	1	25	14.23	0.026	14.36	0.027	14.39	0.027
10	QPSK	1	49	14.33	0.027	14.34	0.027	14.33	0.027
10	QPSK	25	0	13.62	0.023	13.72	0.024	13.63	0.023
10	QPSK	25	12	13.59	0.023	13.53	0.023	13.32	0.021
10	QPSK	25	25	13.64	0.023	13.70	0.023	13.63	0.023
10	QPSK	50	0	13.65	0.023	13.67	0.023	13.58	0.023
10	16QAM	1	0	13.58	0.023	13.13	0.021	13.26	0.021
10	16QAM	1	25	13.33	0.022	13.28	0.021	13.42	0.022
10	16QAM	1	49	13.42	0.022	13.47	0.022	13.36	0.022
10	16QAM	25	0	13.31	0.021	13.33	0.022	13.27	0.021
10	16QAM	25	12	13.35	0.022	13.39	0.022	13.28	0.021
10	16QAM	25	25	13.40	0.022	13.41	0.022	13.35	0.022
10	16QAM	50	0	13.30	0.021	13.38	0.022	13.43	0.022
10	64QAM	1	0	12.33	0.017	12.45	0.018	12.79	0.019
10	64QAM	1	25	12.77	0.019	12.83	0.019	12.42	0.017
10	64QAM	1	49	12.79	0.019	12.47	0.018	12.40	0.017
10	64QAM	25	0	12.30	0.017	12.24	0.017	12.21	0.017
10	64QAM	25	12	12.35	0.017	12.38	0.017	12.30	0.017
10	64QAM	25	25	12.40	0.017	12.37	0.017	12.37	0.017
10	64QAM	50	0	12.32	0.017	12.25	0.017	12.36	0.017



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	14.12	0.026	14.45	0.028	14.23	0.026
5	QPSK	1	12	14.28	0.027	14.44	0.028	14.28	0.027
5	QPSK	1	24	14.24	0.027	14.43	0.028	14.29	0.027
5	QPSK	12	0	13.35	0.022	13.42	0.022	13.41	0.022
5	QPSK	12	7	13.46	0.022	13.48	0.022	13.45	0.022
5	QPSK	12	13	13.41	0.022	13.44	0.022	13.41	0.022
5	QPSK	25	0	13.37	0.022	13.49	0.022	13.45	0.022
5	16QAM	1	0	13.38	0.022	13.40	0.022	13.42	0.022
5	16QAM	1	12	13.55	0.023	13.50	0.022	13.51	0.022
5	16QAM	1	24	13.51	0.022	13.49	0.022	13.45	0.022
5	16QAM	12	0	13.25	0.021	13.22	0.021	13.25	0.021
5	16QAM	12	7	13.39	0.022	13.44	0.022	13.28	0.021
5	16QAM	12	13	13.34	0.022	13.31	0.021	13.36	0.022
5	16QAM	25	0	13.35	0.022	13.31	0.021	13.33	0.022
5	64QAM	1	0	12.31	0.017	12.32	0.017	12.37	0.017
5	64QAM	1	12	12.76	0.019	12.46	0.018	12.39	0.017
5	64QAM	1	24	12.74	0.019	12.43	0.017	12.48	0.018
5	64QAM	12	0	12.28	0.017	12.30	0.017	12.25	0.017
5	64QAM	12	7	12.38	0.017	12.26	0.017	12.32	0.017
5	64QAM	12	13	12.25	0.017	12.35	0.017	12.40	0.017
5	64QAM	25	0	12.40	0.017	12.36	0.017	12.33	0.017



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	14.20	0.026	14.47	0.028	14.14	0.026
3	QPSK	1	8	14.38	0.027	14.37	0.027	14.27	0.027
3	QPSK	1	14	14.32	0.027	14.43	0.028	14.38	0.027
3	QPSK	8	0	13.43	0.022	13.41	0.022	13.41	0.022
3	QPSK	8	4	13.46	0.022	13.49	0.022	13.50	0.022
3	QPSK	8	7	13.41	0.022	13.49	0.022	13.43	0.022
3	QPSK	15	0	13.40	0.022	13.48	0.022	13.34	0.022
3	16QAM	1	0	13.41	0.022	13.77	0.024	13.36	0.022
3	16QAM	1	8	13.61	0.023	13.59	0.023	13.54	0.023
3	16QAM	1	14	13.44	0.022	13.49	0.022	13.35	0.022
3	16QAM	8	0	13.41	0.022	13.30	0.021	13.33	0.022
3	16QAM	8	4	13.46	0.022	13.43	0.022	13.54	0.023
3	16QAM	8	7	13.30	0.021	13.33	0.022	13.39	0.022
3	16QAM	15	0	13.28	0.021	13.21	0.021	13.20	0.021
3	64QAM	1	0	12.32	0.017	12.66	0.018	12.65	0.018
3	64QAM	1	8	12.61	0.018	12.51	0.018	12.52	0.018
3	64QAM	1	14	12.54	0.018	12.39	0.017	12.50	0.018
3	64QAM	8	0	12.21	0.017	12.29	0.017	12.20	0.017
3	64QAM	8	4	12.30	0.017	12.34	0.017	12.33	0.017
3	64QAM	8	7	12.29	0.017	12.21	0.017	12.36	0.017
3	64QAM	15	0	12.28	0.017	12.30	0.017	12.22	0.017



LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	14.23	0.026	14.40	0.028	14.20	0.026
1.4	QPSK	1	3	14.34	0.027	14.33	0.027	14.35	0.027
1.4	QPSK	1	5	14.23	0.026	14.28	0.027	14.24	0.027
1.4	QPSK	3	0	14.18	0.026	14.31	0.027	14.29	0.027
1.4	QPSK	3	1	14.39	0.027	14.39	0.027	14.06	0.025
1.4	QPSK	3	3	14.34	0.027	14.36	0.027	14.32	0.027
1.4	QPSK	6	0	13.40	0.022	13.37	0.022	13.35	0.022
1.4	16QAM	1	0	13.44	0.022	13.38	0.022	13.23	0.021
1.4	16QAM	1	3	13.25	0.021	13.68	0.023	13.35	0.022
1.4	16QAM	1	5	13.37	0.022	13.38	0.022	13.37	0.022
1.4	16QAM	3	0	13.21	0.021	13.24	0.021	13.25	0.021
1.4	16QAM	3	1	13.37	0.022	13.45	0.022	13.29	0.021
1.4	16QAM	3	3	13.20	0.021	13.34	0.022	13.34	0.022
1.4	16QAM	6	0	13.13	0.021	13.33	0.022	13.23	0.021
1.4	64QAM	1	0	12.16	0.016	12.31	0.017	12.15	0.016
1.4	64QAM	1	3	12.28	0.017	12.21	0.017	12.26	0.017
1.4	64QAM	1	5	12.44	0.018	12.47	0.018	12.43	0.017
1.4	64QAM	3	0	12.34	0.017	12.35	0.017	12.18	0.017
1.4	64QAM	3	1	12.32	0.017	12.56	0.018	12.41	0.017
1.4	64QAM	3	3	12.34	0.017	12.18	0.017	12.34	0.017
1.4	64QAM	6	0	12.30	0.017	12.31	0.017	12.18	0.017



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23780		23790		23800	
Frequency (MHz)				709		710		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	14.39	0.027	14.42	0.028	14.39	0.027
10	QPSK	1	25	14.27	0.027	14.23	0.026	14.29	0.027
10	QPSK	1	49	14.20	0.026	14.23	0.026	14.18	0.026
10	QPSK	25	0	13.50	0.022	13.56	0.023	13.48	0.022
10	QPSK	25	12	13.35	0.022	13.29	0.021	13.43	0.022
10	QPSK	25	25	13.33	0.022	13.33	0.022	13.42	0.022
10	QPSK	50	0	13.46	0.022	13.33	0.022	13.34	0.022
10	16QAM	1	0	13.19	0.021	13.38	0.022	13.52	0.022
10	16QAM	1	25	13.40	0.022	13.69	0.023	13.53	0.023
10	16QAM	1	49	13.36	0.022	13.61	0.023	13.66	0.023
10	16QAM	25	0	13.30	0.021	13.54	0.023	13.53	0.023
10	16QAM	25	12	13.36	0.022	13.51	0.022	13.49	0.022
10	16QAM	25	25	13.19	0.021	13.45	0.022	13.50	0.022
10	16QAM	50	0	13.23	0.021	13.52	0.022	13.49	0.022
10	64QAM	1	0	12.20	0.017	12.53	0.018	12.21	0.017
10	64QAM	1	25	12.43	0.017	12.33	0.017	12.23	0.017
10	64QAM	1	49	12.17	0.016	12.20	0.017	12.20	0.017
10	64QAM	25	0	12.35	0.017	12.52	0.018	12.50	0.018
10	64QAM	25	12	12.27	0.017	12.35	0.017	12.52	0.018
10	64QAM	25	25	12.21	0.017	12.42	0.017	12.58	0.018
10	64QAM	50	0	12.28	0.017	12.51	0.018	12.52	0.018



LTE Band 17				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23755		23790		23825	
Frequency (MHz)				706.5		710		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	14.33	0.027	14.29	0.027	14.25	0.027
5	QPSK	1	12	14.32	0.027	14.28	0.027	14.27	0.027
5	QPSK	1	24	14.24	0.027	14.30	0.027	14.29	0.027
5	QPSK	12	0	13.40	0.022	13.58	0.023	13.74	0.024
5	QPSK	12	7	13.52	0.022	13.61	0.023	13.69	0.023
5	QPSK	12	13	13.35	0.022	13.63	0.023	13.69	0.023
5	QPSK	25	0	13.38	0.022	13.55	0.023	13.68	0.023
5	16QAM	1	0	13.86	0.024	13.91	0.025	13.63	0.023
5	16QAM	1	12	14.03	0.025	13.59	0.023	13.96	0.025
5	16QAM	1	24	13.87	0.024	13.92	0.025	14.08	0.026
5	16QAM	12	0	13.31	0.021	13.34	0.022	13.55	0.023
5	16QAM	12	7	13.31	0.021	13.38	0.022	13.50	0.022
5	16QAM	12	13	13.22	0.021	13.47	0.022	13.50	0.022
5	16QAM	25	0	13.32	0.021	13.44	0.022	13.48	0.022
5	64QAM	1	0	12.12	0.016	12.13	0.016	12.13	0.016
5	64QAM	1	12	12.16	0.016	12.13	0.016	12.21	0.017
5	64QAM	1	24	12.21	0.017	12.21	0.017	12.13	0.016
5	64QAM	12	0	12.27	0.017	12.32	0.017	12.56	0.018
5	64QAM	12	7	12.40	0.017	12.48	0.018	12.42	0.017
5	64QAM	12	13	12.25	0.017	12.43	0.017	12.45	0.018
5	64QAM	25	0	12.22	0.017	12.41	0.017	12.57	0.018



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	17.53	0.057	17.59	0.057	17.57	0.057
20	QPSK	1	49	17.38	0.055	17.37	0.055	17.33	0.054
20	QPSK	1	99	17.31	0.054	17.30	0.054	17.33	0.054
20	QPSK	50	0	16.64	0.046	16.71	0.047	16.67	0.046
20	QPSK	50	24	16.45	0.044	16.47	0.044	16.60	0.046
20	QPSK	50	50	16.49	0.045	16.57	0.045	16.45	0.044
20	QPSK	100	0	16.47	0.044	16.47	0.044	16.39	0.044
20	16QAM	1	0	16.52	0.045	16.28	0.042	16.56	0.045
20	16QAM	1	49	16.57	0.045	16.31	0.043	16.37	0.043
20	16QAM	1	99	16.57	0.045	16.75	0.047	16.54	0.045
20	16QAM	50	0	16.69	0.047	16.66	0.046	16.63	0.046
20	16QAM	50	24	16.58	0.045	16.58	0.045	16.59	0.046
20	16QAM	50	50	16.55	0.045	16.47	0.044	16.43	0.044
20	16QAM	100	0	16.51	0.045	16.54	0.045	16.60	0.046
20	64QAM	1	0	15.84	0.038	15.61	0.036	15.94	0.039
20	64QAM	1	49	15.61	0.036	15.94	0.039	15.93	0.039
20	64QAM	1	99	15.84	0.038	15.96	0.039	16.04	0.040
20	64QAM	50	0	15.80	0.038	15.70	0.037	15.83	0.038
20	64QAM	50	24	15.74	0.037	15.68	0.037	15.80	0.038
20	64QAM	50	50	15.76	0.038	15.64	0.037	15.70	0.037
20	64QAM	100	0	15.75	0.038	15.75	0.038	15.73	0.037



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	17.51	0.056	17.55	0.057	17.53	0.057
15	QPSK	1	37	17.55	0.057	17.51	0.056	17.49	0.056
15	QPSK	1	74	17.49	0.056	17.45	0.056	17.43	0.055
15	QPSK	36	0	16.58	0.045	16.55	0.045	16.59	0.046
15	QPSK	36	20	16.58	0.045	16.50	0.045	16.60	0.046
15	QPSK	36	39	16.44	0.044	16.49	0.045	16.46	0.044
15	QPSK	75	0	16.53	0.045	16.57	0.045	16.50	0.045
15	16QAM	1	0	16.52	0.045	16.39	0.044	16.69	0.047
15	16QAM	1	37	16.39	0.044	16.69	0.047	16.62	0.046
15	16QAM	1	74	16.49	0.045	16.39	0.044	16.39	0.044
15	16QAM	36	0	16.70	0.047	16.70	0.047	16.61	0.046
15	16QAM	36	20	16.73	0.047	16.72	0.047	16.78	0.048
15	16QAM	36	39	16.65	0.046	16.80	0.048	16.74	0.047
15	16QAM	75	0	16.75	0.047	16.73	0.047	16.69	0.047
15	64QAM	1	0	16.06	0.040	15.96	0.039	16.06	0.040
15	64QAM	1	37	16.08	0.041	15.86	0.039	15.96	0.039
15	64QAM	1	74	15.73	0.037	15.99	0.040	16.06	0.040
15	64QAM	36	0	15.85	0.038	15.84	0.038	15.97	0.040
15	64QAM	36	20	15.95	0.039	15.91	0.039	15.92	0.039
15	64QAM	36	39	15.84	0.038	15.78	0.038	15.82	0.038
15	64QAM	75	0	15.86	0.039	15.88	0.039	15.85	0.038



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	17.54	0.057	17.54	0.057	17.55	0.057
10	QPSK	1	25	17.44	0.055	17.42	0.055	17.50	0.056
10	QPSK	1	49	17.58	0.057	17.46	0.056	17.36	0.054
10	QPSK	25	0	16.89	0.049	16.82	0.048	16.89	0.049
10	QPSK	25	12	16.86	0.049	17.05	0.051	16.83	0.048
10	QPSK	25	25	16.82	0.048	16.78	0.048	16.70	0.047
10	QPSK	50	0	16.90	0.049	16.75	0.047	16.94	0.049
10	16QAM	1	0	16.82	0.048	16.82	0.048	17.02	0.050
10	16QAM	1	25	16.82	0.048	16.91	0.049	17.03	0.050
10	16QAM	1	49	16.65	0.046	16.85	0.048	16.73	0.047
10	16QAM	25	0	16.66	0.046	16.83	0.048	16.71	0.047
10	16QAM	25	12	16.65	0.046	16.85	0.048	16.76	0.047
10	16QAM	25	25	16.56	0.045	16.61	0.046	16.61	0.046
10	16QAM	50	0	16.72	0.047	16.76	0.047	16.77	0.048
10	64QAM	1	0	15.89	0.039	15.89	0.039	15.56	0.036
10	64QAM	1	25	15.56	0.036	15.69	0.037	15.59	0.036
10	64QAM	1	49	15.56	0.036	15.56	0.036	15.56	0.036
10	64QAM	25	0	15.89	0.039	15.87	0.039	15.89	0.039
10	64QAM	25	12	15.88	0.039	15.92	0.039	15.96	0.039
10	64QAM	25	25	15.88	0.039	15.81	0.038	15.83	0.038
10	64QAM	50	0	15.78	0.038	15.88	0.039	15.89	0.039



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	17.43	0.055	17.46	0.056	17.51	0.056
5	QPSK	1	12	17.46	0.056	17.46	0.056	17.45	0.056
5	QPSK	1	24	17.54	0.057	17.44	0.055	17.50	0.056
5	QPSK	12	0	16.58	0.045	16.60	0.046	16.56	0.045
5	QPSK	12	7	16.60	0.046	16.68	0.047	16.61	0.046
5	QPSK	12	13	16.46	0.044	16.52	0.045	16.53	0.045
5	QPSK	25	0	16.56	0.045	16.57	0.045	16.56	0.045
5	16QAM	1	0	17.05	0.051	16.74	0.047	16.75	0.047
5	16QAM	1	12	16.68	0.047	16.97	0.050	16.92	0.049
5	16QAM	1	24	16.80	0.048	16.69	0.047	17.04	0.051
5	16QAM	12	0	16.69	0.047	16.80	0.048	16.76	0.047
5	16QAM	12	7	16.86	0.049	16.78	0.048	16.90	0.049
5	16QAM	12	13	16.77	0.048	16.71	0.047	16.78	0.048
5	16QAM	25	0	16.78	0.048	16.80	0.048	16.72	0.047
5	64QAM	1	0	15.56	0.036	15.96	0.039	15.76	0.038
5	64QAM	1	12	15.86	0.039	15.86	0.039	15.86	0.039
5	64QAM	1	24	15.69	0.037	15.73	0.037	15.69	0.037
5	64QAM	12	0	15.93	0.039	15.68	0.037	15.89	0.039
5	64QAM	12	7	16.01	0.040	15.60	0.036	15.91	0.039
5	64QAM	12	13	15.84	0.038	15.96	0.039	15.91	0.039
5	64QAM	25	0	15.91	0.039	15.99	0.040	15.86	0.039



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	17.50	0.056	17.41	0.055	17.40	0.055
3	QPSK	1	8	17.37	0.055	17.38	0.055	17.46	0.056
3	QPSK	1	14	17.28	0.053	17.09	0.051	17.39	0.055
3	QPSK	8	0	16.84	0.048	16.81	0.048	16.85	0.048
3	QPSK	8	4	16.79	0.048	16.71	0.047	16.81	0.048
3	QPSK	8	7	16.65	0.046	16.70	0.047	16.67	0.046
3	QPSK	15	0	16.74	0.047	16.78	0.048	16.71	0.047
3	16QAM	1	0	16.43	0.044	16.84	0.048	16.60	0.046
3	16QAM	1	8	16.76	0.047	16.70	0.047	16.69	0.047
3	16QAM	1	14	16.80	0.048	16.69	0.047	16.39	0.044
3	16QAM	8	0	16.61	0.046	16.61	0.046	16.52	0.045
3	16QAM	8	4	16.64	0.046	16.63	0.046	16.69	0.047
3	16QAM	8	7	16.56	0.045	16.71	0.047	16.65	0.046
3	16QAM	15	0	16.66	0.046	16.64	0.046	16.60	0.046
3	64QAM	1	0	15.97	0.040	15.87	0.039	15.97	0.040
3	64QAM	1	8	15.99	0.040	15.77	0.038	15.87	0.039
3	64QAM	1	14	15.64	0.037	15.90	0.039	15.97	0.040
3	64QAM	8	0	15.76	0.038	15.75	0.038	15.88	0.039
3	64QAM	8	4	15.86	0.039	15.82	0.038	15.83	0.038
3	64QAM	8	7	15.75	0.038	15.69	0.037	15.73	0.037
3	64QAM	15	0	15.77	0.038	15.79	0.038	15.76	0.038



LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	17.44	0.055	17.35	0.054	17.36	0.054
1.4	QPSK	1	3	17.50	0.056	17.52	0.056	17.52	0.056
1.4	QPSK	1	5	17.42	0.055	17.30	0.054	17.46	0.056
1.4	QPSK	3	0	17.41	0.055	17.34	0.054	17.41	0.055
1.4	QPSK	3	1	17.38	0.055	17.44	0.055	17.35	0.054
1.4	QPSK	3	3	17.39	0.055	17.35	0.054	17.27	0.053
1.4	QPSK	6	0	16.87	0.049	16.72	0.047	16.91	0.049
1.4	16QAM	1	0	16.74	0.047	16.74	0.047	16.94	0.049
1.4	16QAM	1	3	16.74	0.047	16.83	0.048	16.95	0.050
1.4	16QAM	1	5	16.57	0.045	16.77	0.048	16.65	0.046
1.4	16QAM	3	0	16.52	0.045	16.49	0.045	16.75	0.047
1.4	16QAM	3	1	16.61	0.046	16.51	0.045	16.63	0.046
1.4	16QAM	3	3	16.62	0.046	16.63	0.046	16.57	0.045
1.4	16QAM	6	0	16.51	0.045	16.42	0.044	16.43	0.044
1.4	64QAM	1	0	16.02	0.040	15.87	0.039	16.03	0.040
1.4	64QAM	1	3	15.75	0.038	15.84	0.038	15.84	0.038
1.4	64QAM	1	5	15.72	0.037	15.72	0.037	15.83	0.038
1.4	64QAM	3	0	15.81	0.038	15.79	0.038	15.81	0.038
1.4	64QAM	3	1	15.80	0.038	15.84	0.038	15.88	0.039
1.4	64QAM	3	3	15.80	0.038	15.73	0.037	15.75	0.038
1.4	64QAM	6	0	15.70	0.037	15.80	0.038	15.81	0.038



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133222		133322		133372	
Frequency (MHz)				673		683		688	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	14.39	0.027	14.43	0.028	14.40	0.028
20	QPSK	1	49	14.37	0.027	14.34	0.027	14.40	0.028
20	QPSK	1	99	14.35	0.027	14.33	0.027	14.35	0.027
20	QPSK	50	0	13.53	0.023	13.61	0.023	13.49	0.022
20	QPSK	50	24	13.42	0.022	13.36	0.022	13.21	0.021
20	QPSK	50	50	13.44	0.022	13.23	0.021	13.29	0.021
20	QPSK	100	0	13.50	0.022	13.24	0.021	13.31	0.021
20	16QAM	1	0	13.22	0.021	13.37	0.022	13.65	0.023
20	16QAM	1	49	13.18	0.021	13.29	0.021	13.43	0.022
20	16QAM	1	99	13.33	0.022	13.22	0.021	13.23	0.021
20	16QAM	50	0	13.33	0.022	13.19	0.021	13.22	0.021
20	16QAM	50	24	13.28	0.021	13.08	0.020	13.23	0.021
20	16QAM	50	50	13.35	0.022	13.15	0.021	13.23	0.021
20	16QAM	100	0	13.23	0.021	13.25	0.021	13.25	0.021
20	64QAM	1	0	12.65	0.018	12.52	0.018	12.34	0.017
20	64QAM	1	49	12.30	0.017	12.34	0.017	12.44	0.018
20	64QAM	1	99	12.34	0.017	12.30	0.017	12.62	0.018
20	64QAM	50	0	12.70	0.019	12.51	0.018	12.50	0.018
20	64QAM	50	24	12.79	0.019	12.51	0.018	12.42	0.017
20	64QAM	50	50	12.77	0.019	12.57	0.018	12.33	0.017
20	64QAM	100	0	12.71	0.019	12.54	0.018	12.47	0.018



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133197		133297		133397	
Frequency (MHz)				670.5		680.5		690.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	14.31	0.027	14.35	0.027	14.32	0.027
15	QPSK	1	37	14.34	0.027	14.33	0.027	14.26	0.027
15	QPSK	1	74	14.20	0.026	14.33	0.027	14.25	0.027
15	QPSK	36	0	13.55	0.023	13.36	0.022	13.22	0.021
15	QPSK	36	20	13.51	0.022	13.33	0.022	13.12	0.021
15	QPSK	36	39	13.50	0.022	13.34	0.022	13.19	0.021
15	QPSK	75	0	13.51	0.022	13.39	0.022	13.21	0.021
15	16QAM	1	0	13.23	0.021	13.55	0.023	13.32	0.021
15	16QAM	1	37	13.32	0.021	13.41	0.022	13.46	0.022
15	16QAM	1	74	13.26	0.021	13.25	0.021	13.23	0.021
15	16QAM	36	0	13.27	0.021	13.41	0.022	13.70	0.023
15	16QAM	36	20	13.28	0.021	13.44	0.022	13.52	0.022
15	16QAM	36	39	13.45	0.022	13.33	0.022	13.39	0.022
15	16QAM	75	0	13.62	0.023	13.49	0.022	13.51	0.022
15	64QAM	1	0	12.60	0.018	12.60	0.018	12.42	0.017
15	64QAM	1	37	12.70	0.019	12.42	0.017	12.44	0.018
15	64QAM	1	74	12.42	0.017	12.41	0.017	12.41	0.017
15	64QAM	36	0	12.77	0.019	12.54	0.018	12.49	0.018
15	64QAM	36	20	12.53	0.018	12.55	0.018	12.48	0.018
15	64QAM	36	39	12.43	0.017	12.56	0.018	12.31	0.017
15	64QAM	75	0	12.73	0.019	12.52	0.018	12.45	0.018



LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133172		133297		133422	
Frequency (MHz)				668		680.5		693	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	14.30	0.027	14.35	0.027	14.31	0.027
10	QPSK	1	25	14.25	0.027	14.29	0.027	14.31	0.027
10	QPSK	1	49	14.21	0.026	14.33	0.027	14.33	0.027
10	QPSK	25	0	13.49	0.022	13.31	0.021	13.20	0.021
10	QPSK	25	12	13.59	0.023	13.30	0.021	13.30	0.021
10	QPSK	25	25	13.48	0.022	13.25	0.021	13.19	0.021
10	QPSK	50	0	13.52	0.022	13.33	0.022	13.38	0.022
10	16QAM	1	0	13.23	0.021	13.23	0.021	13.24	0.021
10	16QAM	1	25	13.27	0.021	13.17	0.021	13.14	0.021
10	16QAM	1	49	13.32	0.021	13.32	0.021	13.37	0.022
10	16QAM	25	0	13.60	0.023	13.42	0.022	13.40	0.022
10	16QAM	25	12	13.45	0.022	13.47	0.022	13.16	0.021
10	16QAM	25	25	13.57	0.023	13.42	0.022	13.21	0.021
10	16QAM	50	0	13.12	0.021	13.26	0.021	13.23	0.021
10	64QAM	1	0	12.61	0.018	12.43	0.017	12.41	0.017
10	64QAM	1	25	12.50	0.018	12.61	0.018	12.42	0.017
10	64QAM	1	49	12.44	0.018	12.41	0.017	12.41	0.017
10	64QAM	25	0	12.71	0.019	12.49	0.018	12.32	0.017
10	64QAM	25	12	12.30	0.017	12.62	0.018	12.33	0.017
10	64QAM	25	25	12.70	0.019	12.59	0.018	12.25	0.017
10	64QAM	50	0	12.70	0.019	12.49	0.018	12.31	0.017



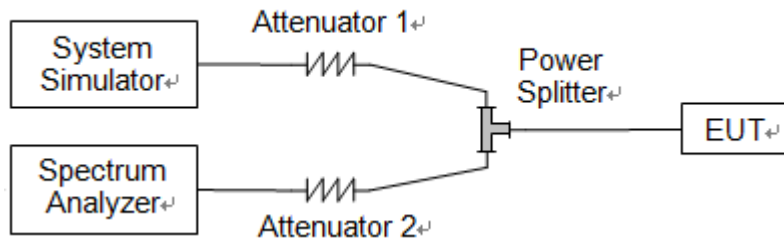
LTE Band 71				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				133147		133297		133447	
Frequency (MHz)				665.5		680.5		695.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	14.34	0.027	14.31	0.027	14.36	0.027
5	QPSK	1	12	14.25	0.027	14.33	0.027	14.25	0.027
5	QPSK	1	24	14.30	0.027	14.26	0.027	14.32	0.027
5	QPSK	12	0	13.39	0.022	13.23	0.021	13.42	0.022
5	QPSK	12	7	13.56	0.023	13.30	0.021	13.19	0.021
5	QPSK	12	13	13.56	0.023	13.29	0.021	13.40	0.022
5	QPSK	25	0	13.41	0.022	13.21	0.021	13.31	0.021
5	16QAM	1	0	13.52	0.022	13.46	0.022	13.47	0.022
5	16QAM	1	12	13.51	0.022	13.40	0.022	13.43	0.022
5	16QAM	1	24	13.49	0.022	13.34	0.022	13.34	0.022
5	16QAM	12	0	13.58	0.023	13.21	0.021	13.28	0.021
5	16QAM	12	7	13.52	0.022	13.19	0.021	13.23	0.021
5	16QAM	12	13	13.28	0.021	13.25	0.021	13.19	0.021
5	16QAM	25	0	13.35	0.022	13.22	0.021	13.32	0.021
5	64QAM	1	0	12.30	0.017	12.74	0.019	12.53	0.018
5	64QAM	1	12	12.60	0.018	12.70	0.019	12.44	0.018
5	64QAM	1	24	12.54	0.018	12.70	0.019	12.60	0.018
5	64QAM	12	0	12.43	0.017	12.48	0.018	12.38	0.017
5	64QAM	12	7	12.43	0.017	12.52	0.018	12.38	0.017
5	64QAM	12	13	12.70	0.019	12.58	0.018	12.37	0.017
5	64QAM	25	0	12.70	0.019	12.56	0.018	12.35	0.017

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.30
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.31
	High	QPSK	1.10	1.28
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.31
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.94
	Low	64QAM	2.69	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.69	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.91
	High	64QAM	2.70	2.91
5	Low	QPSK	4.49	4.93
	Low	16QAM	4.51	4.92
	Low	64QAM	4.50	4.91
	Mid	QPSK	4.50	4.95
	Mid	16QAM	4.50	4.91
	Mid	64QAM	4.49	4.92
	High	QPSK	4.49	4.91
	High	16QAM	4.50	4.91
	High	64QAM	4.49	4.89
10	Low	QPSK	8.99	9.72
	Low	16QAM	8.97	9.66
	Low	64QAM	8.97	9.78
	Mid	QPSK	9.00	9.77
	Mid	16QAM	8.97	9.71
	Mid	64QAM	8.97	9.75
	High	QPSK	8.98	9.69
	High	16QAM	8.96	9.72
	High	64QAM	8.98	9.80



15	Low	QPSK	13.48	14.64
	Low	16QAM	13.47	14.62
	Low	64QAM	13.45	14.65
	Mid	QPSK	13.49	14.61
	Mid	16QAM	13.46	14.67
	Mid	64QAM	13.44	14.72
	High	QPSK	13.48	14.60
	High	16QAM	13.46	14.59
	High	64QAM	13.44	14.49
20	Low	QPSK	17.95	19.35
	Low	16QAM	17.94	19.25
	Low	64QAM	17.93	19.52
	Mid	QPSK	17.95	19.45
	Mid	16QAM	17.97	19.51
	Mid	64QAM	17.97	19.36
	High	QPSK	17.92	19.31
	High	16QAM	17.96	19.32
	High	64QAM	17.95	19.40



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.27
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.26
	Mid	16QAM	1.10	1.28
	Mid	64QAM	1.10	1.27
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.29
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.92
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.93
	Mid	QPSK	2.69	3.35
	Mid	16QAM	2.70	3.22
	Mid	64QAM	2.69	2.92
	High	QPSK	2.69	2.93
	High	16QAM	2.69	2.97
	High	64QAM	2.69	2.91
5	Low	QPSK	4.50	4.91
	Low	16QAM	4.49	4.90
	Low	64QAM	4.50	4.92
	Mid	QPSK	4.50	5.29
	Mid	16QAM	4.51	5.52
	Mid	64QAM	4.50	4.94
	High	QPSK	4.50	4.93
	High	16QAM	4.50	4.89
	High	64QAM	4.51	4.89
10	Low	QPSK	8.99	9.74
	Low	16QAM	8.98	9.73
	Low	64QAM	8.98	9.74
	Mid	QPSK	9.02	9.78
	Mid	16QAM	8.96	9.71
	Mid	64QAM	8.98	9.78
	High	QPSK	9.01	9.74
	High	16QAM	8.95	9.93
	High	64QAM	8.99	9.76



15	Low	QPSK	13.46	14.57
	Low	16QAM	13.44	14.54
	Low	64QAM	13.46	17.23
	Mid	QPSK	13.48	14.59
	Mid	16QAM	13.47	14.61
	Mid	64QAM	13.49	14.62
	High	QPSK	13.51	16.77
	High	16QAM	13.51	16.55
	High	64QAM	13.48	14.58
20	Low	QPSK	17.94	19.34
	Low	16QAM	17.92	20.25
	Low	64QAM	17.97	23.32
	Mid	QPSK	17.95	19.38
	Mid	16QAM	17.97	19.36
	Mid	64QAM	17.97	19.37
	High	QPSK	17.94	19.39
	High	16QAM	17.98	19.33
	High	64QAM	17.98	19.52



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.26
	Low	16QAM	1.10	1.28
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.28
	Mid	16QAM	1.09	1.31
	Mid	64QAM	1.10	1.30
	High	QPSK	1.09	1.27
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.32
3	Low	QPSK	2.69	2.90
	Low	16QAM	2.69	2.93
	Low	64QAM	2.70	2.95
	Mid	QPSK	2.69	2.91
	Mid	16QAM	2.69	2.93
	Mid	64QAM	2.70	2.93
	High	QPSK	2.69	2.92
	High	16QAM	2.69	2.99
	High	64QAM	2.70	2.91
5	Low	QPSK	4.50	4.93
	Low	16QAM	4.49	4.94
	Low	64QAM	4.51	5.22
	Mid	QPSK	4.50	4.94
	Mid	16QAM	4.50	5.29
	Mid	64QAM	4.51	4.88
	High	QPSK	4.50	4.91
	High	16QAM	4.50	4.90
	High	64QAM	4.52	4.88
10	Low	QPSK	8.97	9.74
	Low	16QAM	8.98	9.69
	Low	64QAM	8.99	10.13
	Mid	QPSK	9.01	9.72
	Mid	16QAM	8.96	9.67
	Mid	64QAM	8.98	9.69
	High	QPSK	8.95	9.68
	High	16QAM	8.97	9.77
	High	64QAM	8.99	10.03



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.30
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.10	1.32
	Mid	16QAM	1.10	1.36
	Mid	64QAM	1.10	1.29
	High	QPSK	1.09	1.25
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.31
3	Low	QPSK	2.69	2.97
	Low	16QAM	2.70	3.20
	Low	64QAM	2.69	2.92
	Mid	QPSK	2.69	2.92
	Mid	16QAM	2.70	2.93
	Mid	64QAM	2.70	2.92
	High	QPSK	2.69	2.92
	High	16QAM	2.70	3.24
	High	64QAM	2.70	2.92
5	Low	QPSK	4.51	5.21
	Low	16QAM	4.51	5.17
	Low	64QAM	4.53	5.14
	Mid	QPSK	4.52	5.22
	Mid	16QAM	4.52	5.12
	Mid	64QAM	4.53	5.17
	High	QPSK	4.51	5.17
	High	16QAM	4.52	5.15
	High	64QAM	4.52	5.22
10	Low	QPSK	9.02	10.07
	Low	16QAM	9.01	9.92
	Low	64QAM	9.00	10.05
	Mid	QPSK	9.03	10.03
	Mid	16QAM	8.99	9.95
	Mid	64QAM	9.03	10.70
	High	QPSK	8.99	9.94
	High	16QAM	8.97	9.99
	High	64QAM	9.00	9.92



LTE Band 17				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.53	5.37
	Low	16QAM	4.53	5.83
	Low	64QAM	4.54	5.15
	Mid	QPSK	4.51	5.18
	Mid	16QAM	4.53	5.82
	Mid	64QAM	4.52	5.19
	High	QPSK	4.52	5.19
	High	16QAM	4.51	5.27
	High	64QAM	4.52	5.17
10	Low	QPSK	9.02	10.13
	Low	16QAM	8.99	9.98
	Low	64QAM	9.00	10.06
	Mid	QPSK	9.01	10.01
	Mid	16QAM	8.99	10.52
	Mid	64QAM	8.98	10.05
	High	QPSK	8.99	9.94
	High	16QAM	8.97	9.97
	High	64QAM	9.01	10.07



LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.29
	Low	64QAM	1.10	1.30
	Mid	QPSK	1.09	1.27
	Mid	16QAM	1.10	1.30
	Mid	64QAM	1.10	1.29
	High	QPSK	1.10	1.29
	High	16QAM	1.10	1.30
	High	64QAM	1.10	1.30
3	Low	QPSK	2.69	2.91
	Low	16QAM	2.69	2.92
	Low	64QAM	2.70	2.92
	Mid	QPSK	2.69	2.93
	Mid	16QAM	2.69	2.92
	Mid	64QAM	2.69	2.91
	High	QPSK	2.69	2.93
	High	16QAM	2.69	2.93
	High	64QAM	2.70	2.92
5	Low	QPSK	4.51	5.22
	Low	16QAM	4.52	5.14
	Low	64QAM	4.53	5.20
	Mid	QPSK	4.52	5.30
	Mid	16QAM	4.52	5.28
	Mid	64QAM	4.52	5.17
	High	QPSK	4.51	5.20
	High	16QAM	4.51	5.12
	High	64QAM	4.52	5.20
10	Low	QPSK	9.02	9.92
	Low	16QAM	8.99	10.03
	Low	64QAM	9.02	10.45
	Mid	QPSK	9.01	10.66
	Mid	16QAM	9.01	10.81
	Mid	64QAM	8.98	9.88
	High	QPSK	9.03	10.17
	High	16QAM	8.98	10.76
	High	64QAM	9.00	10.08



15	Low	QPSK	13.47	15.19
	Low	16QAM	13.49	15.12
	Low	64QAM	13.46	15.11
	Mid	QPSK	13.47	15.23
	Mid	16QAM	13.50	16.13
	Mid	64QAM	13.49	14.97
	High	QPSK	13.49	15.04
	High	16QAM	13.47	14.89
	High	64QAM	13.45	14.96
20	Low	QPSK	17.96	19.90
	Low	16QAM	17.97	19.52
	Low	64QAM	17.97	19.83
	Mid	QPSK	18.02	19.93
	Mid	16QAM	18.01	21.21
	Mid	64QAM	17.98	19.91
	High	QPSK	17.96	19.78
	High	16QAM	18.01	19.66
	High	64QAM	17.98	19.77



LTE Band 71				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.52	5.13
	Low	16QAM	4.51	5.20
	Low	64QAM	4.51	5.11
	Mid	QPSK	4.51	5.20
	Mid	16QAM	4.51	5.22
	Mid	64QAM	4.52	5.07
	High	QPSK	4.51	5.21
	High	16QAM	4.50	5.16
	High	64QAM	4.52	5.11
10	Low	QPSK	9.03	10.10
	Low	16QAM	8.98	9.98
	Low	64QAM	9.01	10.08
	Mid	QPSK	9.03	10.09
	Mid	16QAM	8.98	9.90
	Mid	64QAM	8.98	10.08
	High	QPSK	9.03	10.08
	High	16QAM	8.98	9.87
	High	64QAM	9.01	10.11
15	Low	QPSK	13.54	15.05
	Low	16QAM	13.53	15.11
	Low	64QAM	13.46	14.69
	Mid	QPSK	13.50	15.01
	Mid	16QAM	13.48	15.01
	Mid	64QAM	13.46	15.04
	High	QPSK	13.50	14.89
	High	16QAM	13.49	15.04
	High	64QAM	13.47	15.00
20	Low	QPSK	17.98	19.76
	Low	16QAM	18.06	20.07
	Low	64QAM	18.03	19.84
	Mid	QPSK	18.00	21.60
	Mid	16QAM	18.01	20.71
	Mid	64QAM	17.99	19.96
	High	QPSK	17.99	19.72
	High	16QAM	18.01	19.70
	High	64QAM	17.96	19.76



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



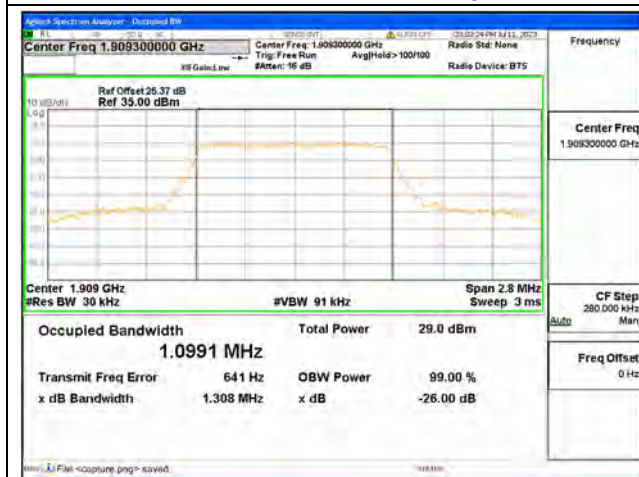
Band2 / 1.4MHz / 64QAM/ Mid CH



Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH



Band2 / 5MHz / QPSK/ Low CH



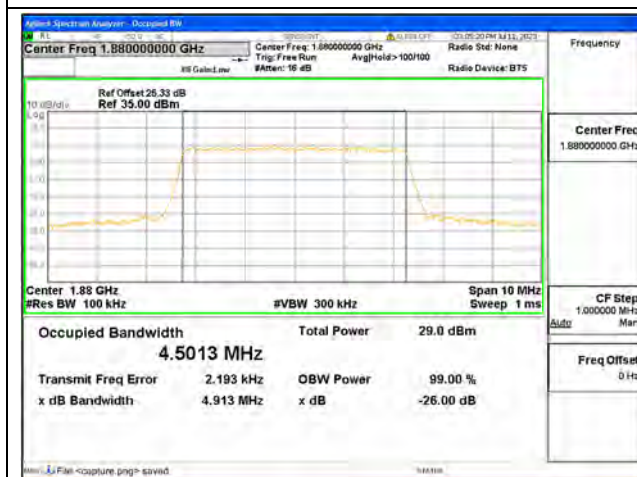
Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



Band2 / 5MHz / 64QAM/ High CH



Band2 / 10MHz / QPSK/ Low CH



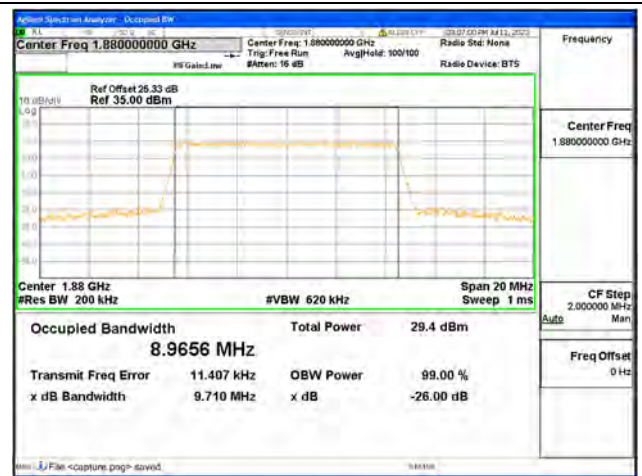
Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / 64QAM/ Low CH



Band2 / 10MHz / QPSK/ Mid CH



Band2 / 10MHz / 16QAM/ Mid CH



Band2 / 10MHz / 64QAM/ Mid CH



Band2 / 10MHz / QPSK/ High CH



Band2 / 10MHz / 16QAM/ High CH



Band2 / 10MHz / 64QAM/ High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



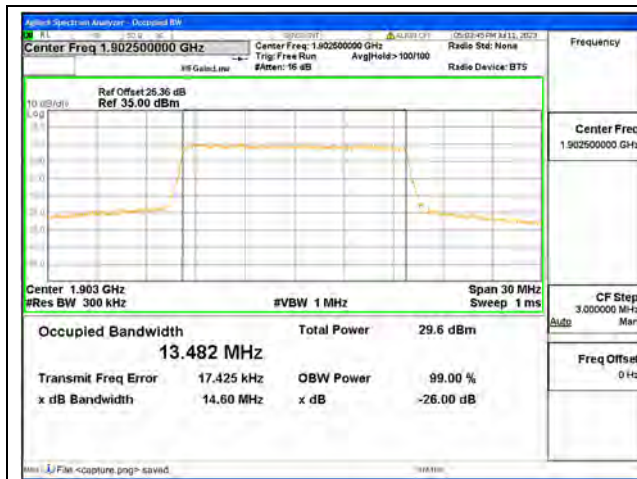
Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / 64QAM/ Mid CH



Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



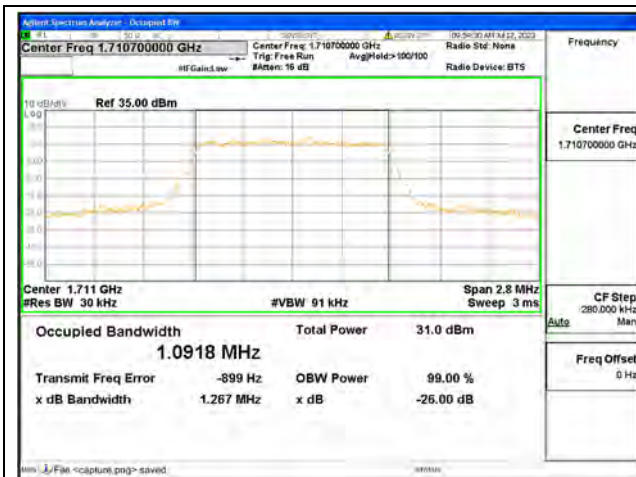
Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH



Band2 / 20MHz / 64QAM/ High CH



Band4 / 1.4MHz / QPSK/ Low CH



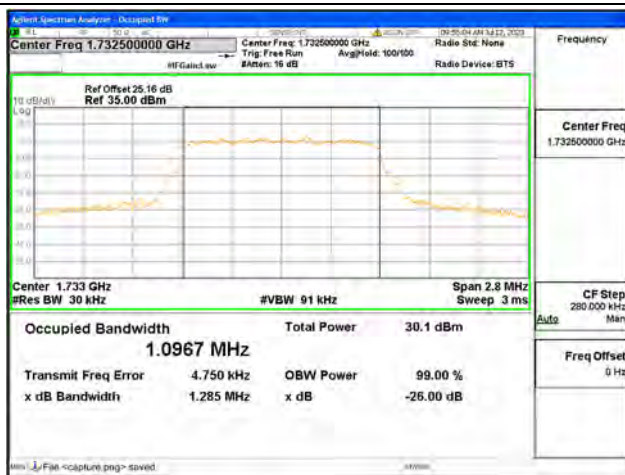
Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



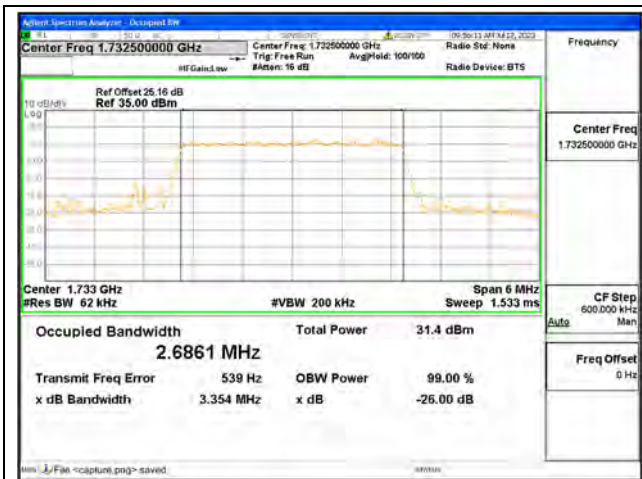
Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / 64QAM/ Low CH



Band4 / 3MHz / QPSK/ Mid CH



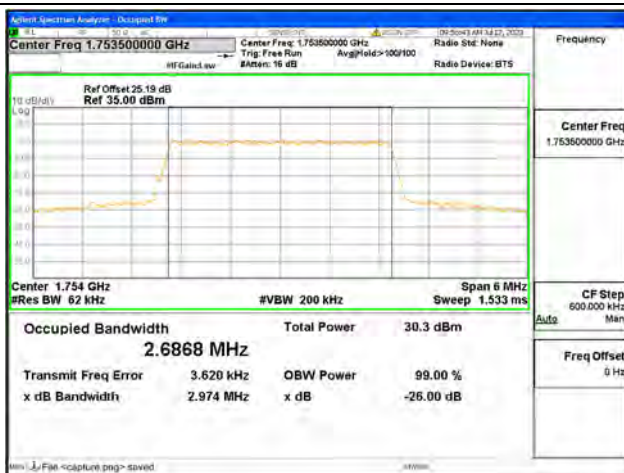
Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



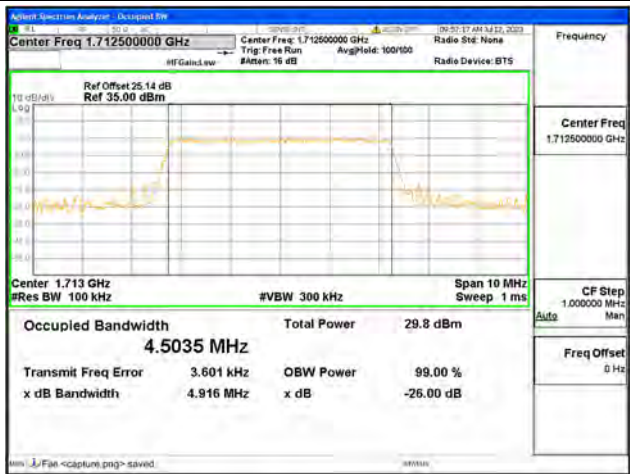
Band4 / 3MHz / 64QAM/ High CH



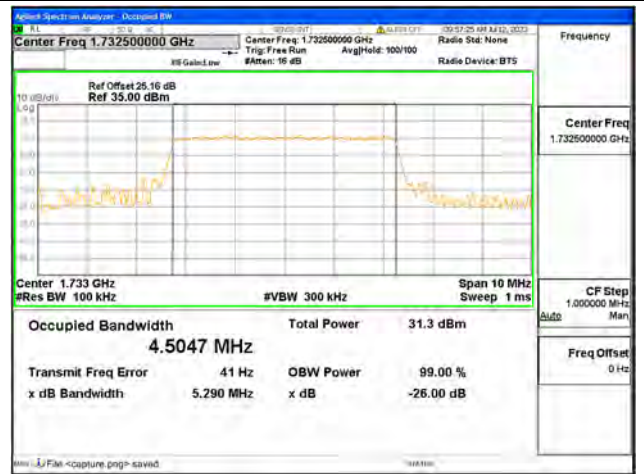
Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH



Band4 / 5MHz / QPSK/ High CH



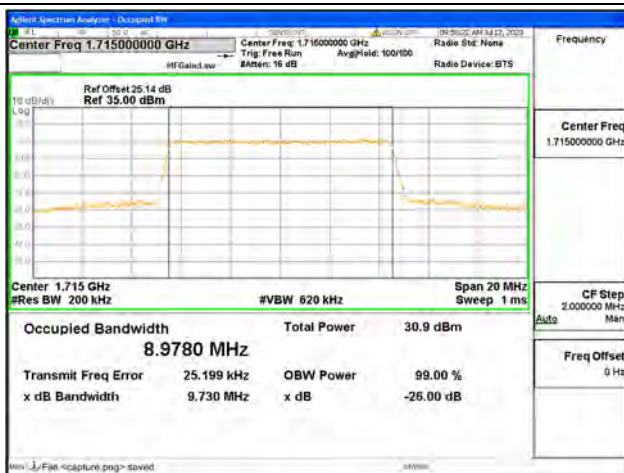
Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH



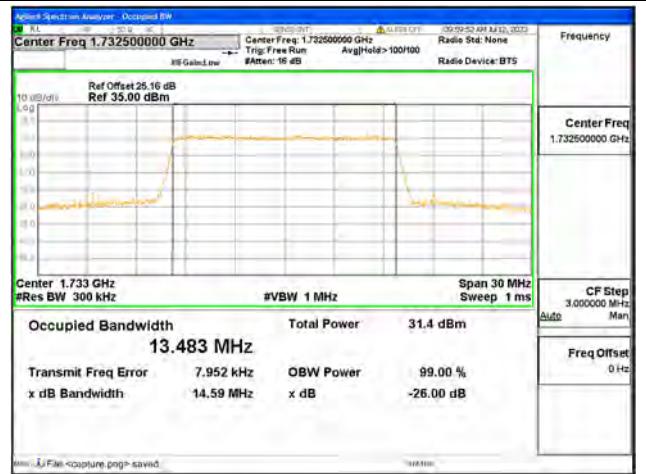
Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



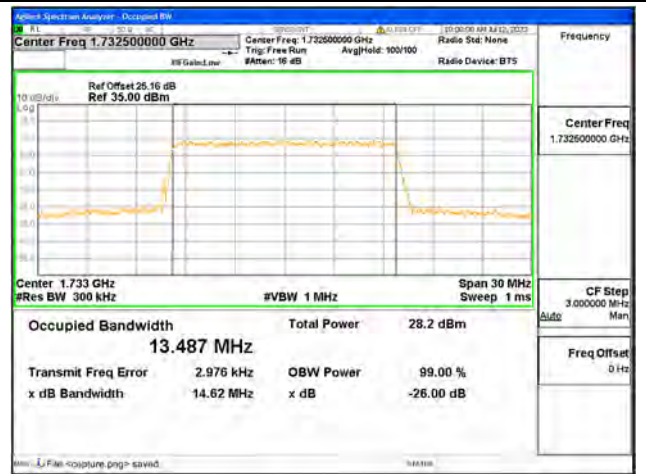
Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH



Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



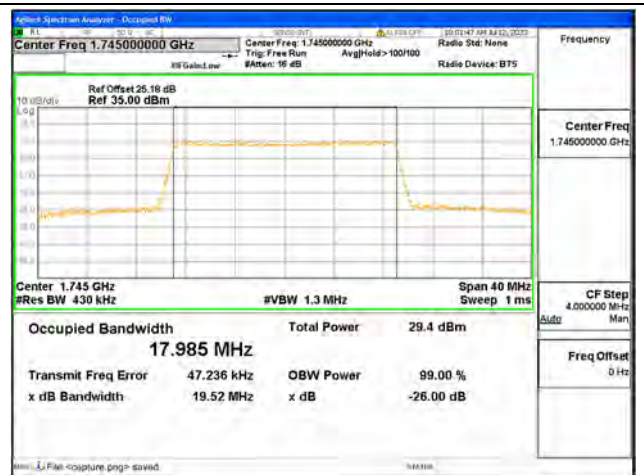
Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



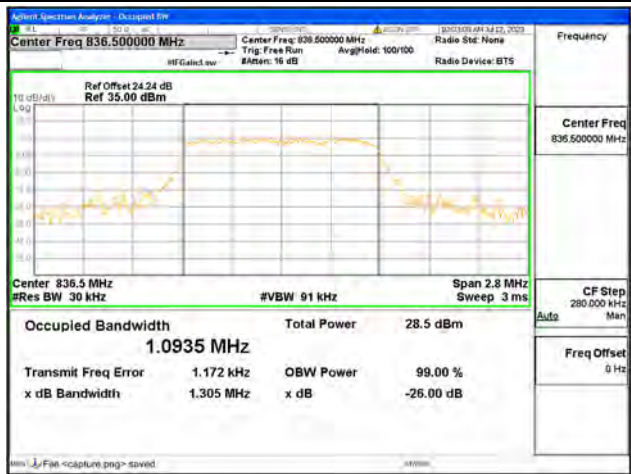
Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



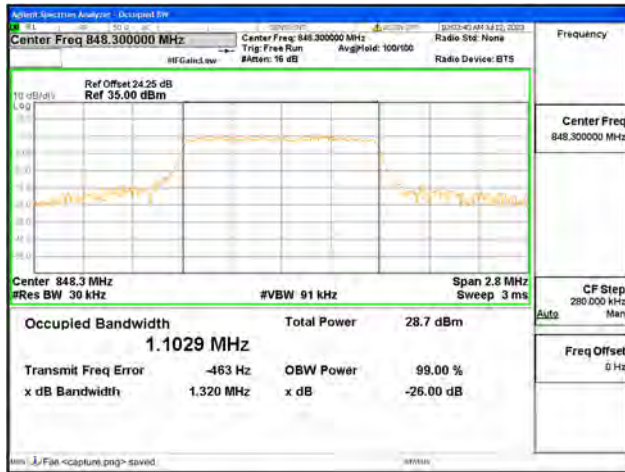
Band5 / 1.4MHz / 64QAM/ Mid CH



Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / 64QAM/ Low CH



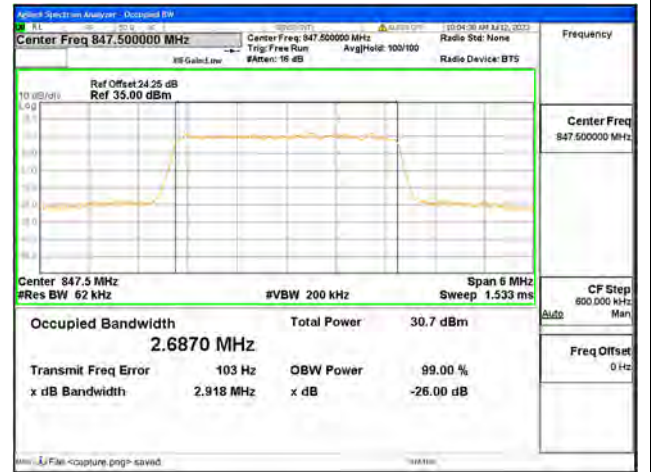
Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



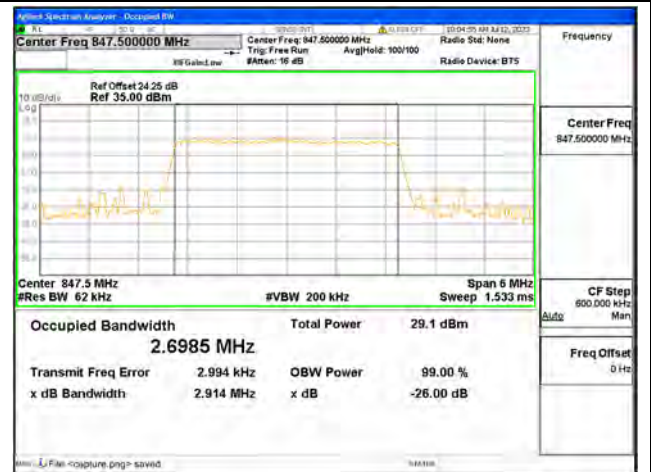
Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



Band5 / 3MHz / 16QAM/ High CH



Band5 / 3MHz / 64QAM/ High CH



Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH



Band5 / 5MHz / 64QAM/ Mid CH



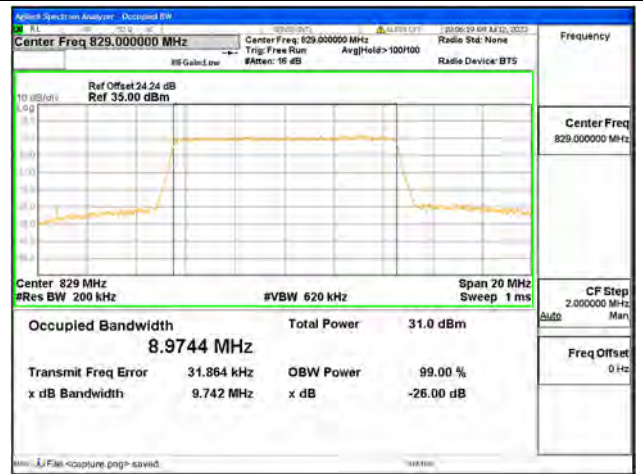
Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



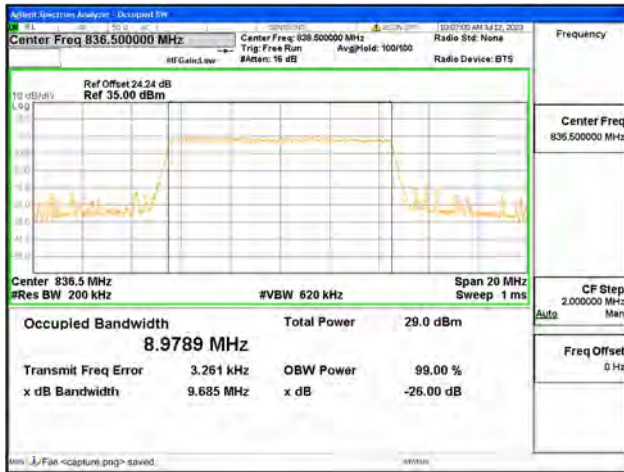
Band5 / 10MHz / 64QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / 64QAM/ Mid CH



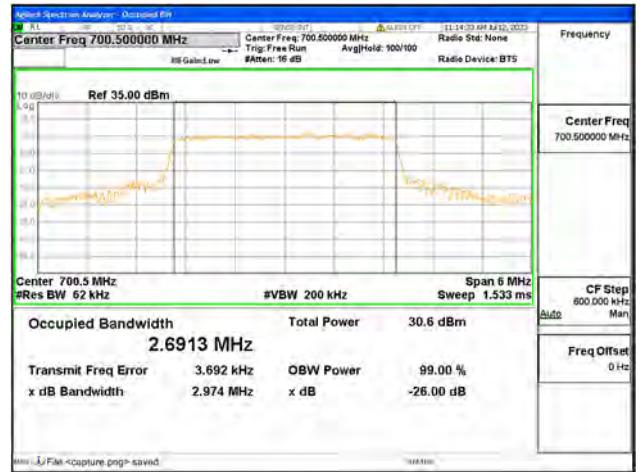
Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



Band12 / 3MHz / 64QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



Band12 / 3MHz / 64QAM/ High CH



Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 5MHz / 64QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH



Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



Band12 / 10MHz / 64QAM/ High CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



Band17 / 5MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



Band17 / 10MHz / 64QAM/ High CH



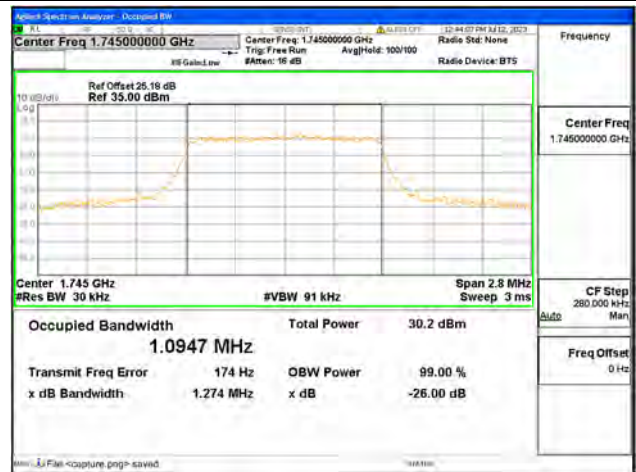
Band66 / 1.4MHz / QPSK/ Low CH



Band66 / 1.4MHz / 16QAM/ Low CH



Band66 / 1.4MHz / 64QAM/ Low CH



Band66 / 1.4MHz / QPSK/ Mid CH



Band66 / 1.4MHz / 16QAM/ Mid CH



Band66 / 1.4MHz / 64QAM/ Mid CH



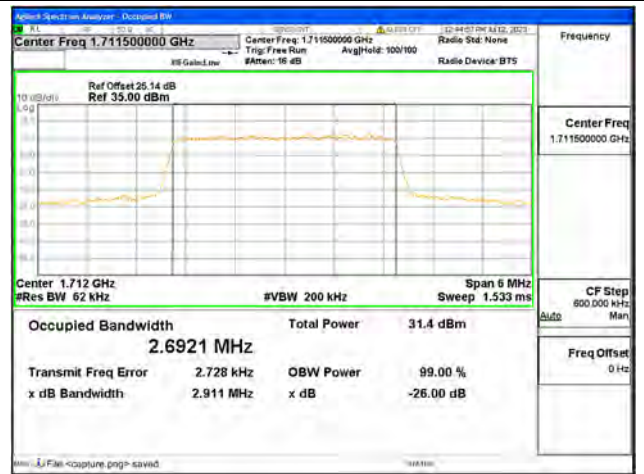
Band66 / 1.4MHz / QPSK/ High CH



Band66 / 1.4MHz / 16QAM/ High CH



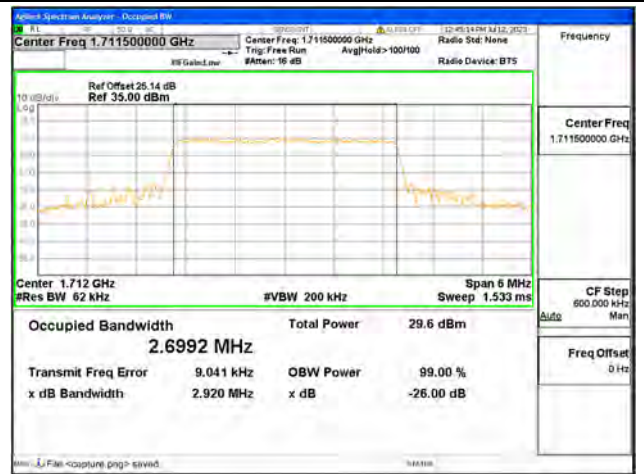
Band66 / 1.4MHz / 64QAM/ High CH



Band66 / 3MHz / QPSK/ Low CH



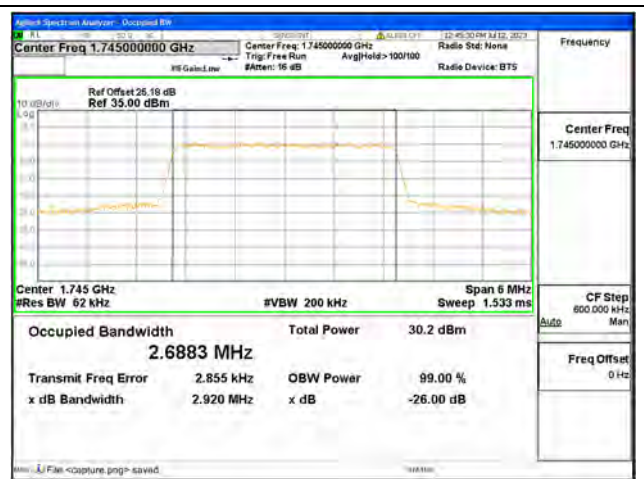
Band66 / 3MHz / 16QAM/ Low CH



Band66 / 3MHz / 64QAM/ Low CH



Band66 / 3MHz / QPSK/ Mid CH



Band66 / 3MHz / 16QAM/ Mid CH



Band66 / 3MHz / 64QAM/ Mid CH



Band66 / 3MHz / QPSK/ High CH



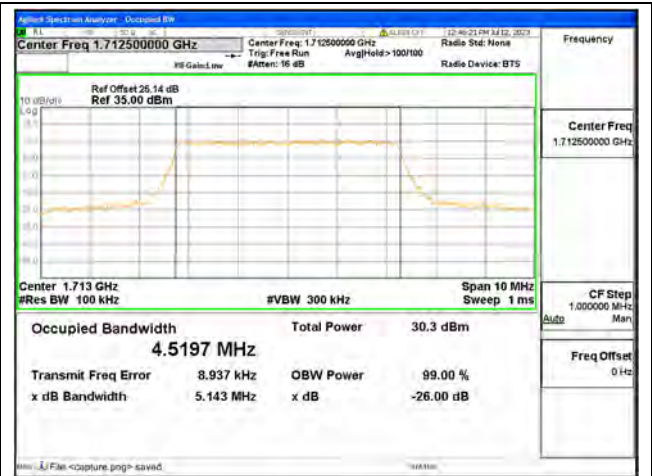
Band66 / 3MHz / 16QAM/ High CH



Band66 / 3MHz / 64QAM/ High CH



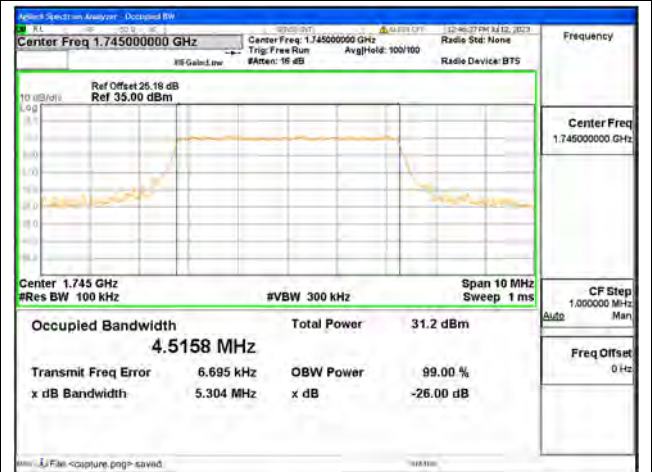
Band66 / 5MHz / QPSK/ Low CH



Band66 / 5MHz / 16QAM/ Low CH



Band66 / 5MHz / 64QAM/ Low CH



Band66 / 5MHz / QPSK/ Mid CH



Band66 / 5MHz / 16QAM/ Mid CH



Band66 / 5MHz / 64QAM/ Mid CH



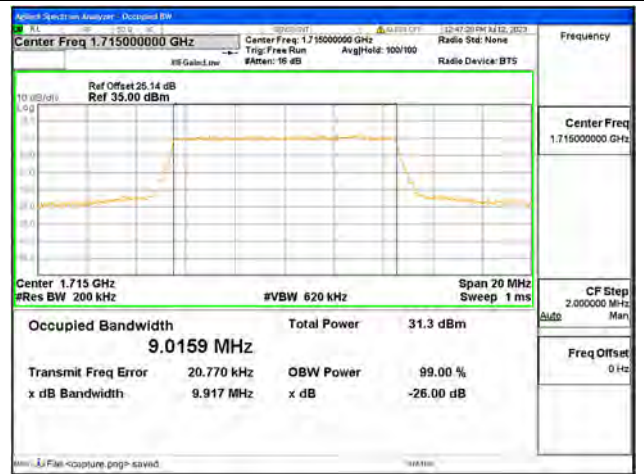
Band66 / 5MHz / QPSK/ High CH



Band66 / 5MHz / 16QAM/ High CH



Band66 / 5MHz / 64QAM/ High CH



Band66 / 10MHz / QPSK/ Low CH



Band66 / 10MHz / 16QAM/ Low CH



Band66 / 10MHz / 64QAM/ Low CH



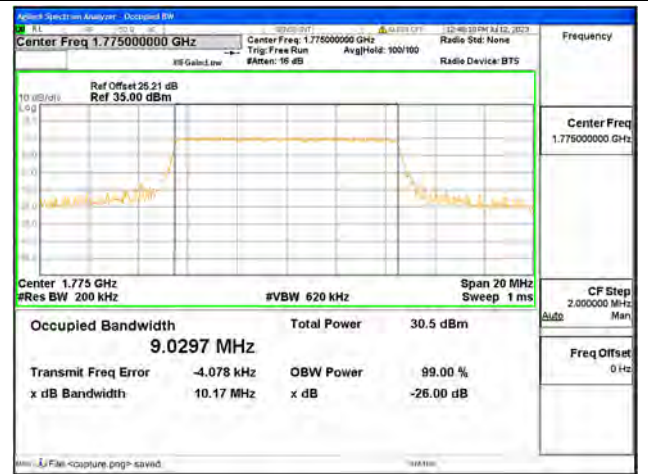
Band66 / 10MHz / QPSK/ Mid CH



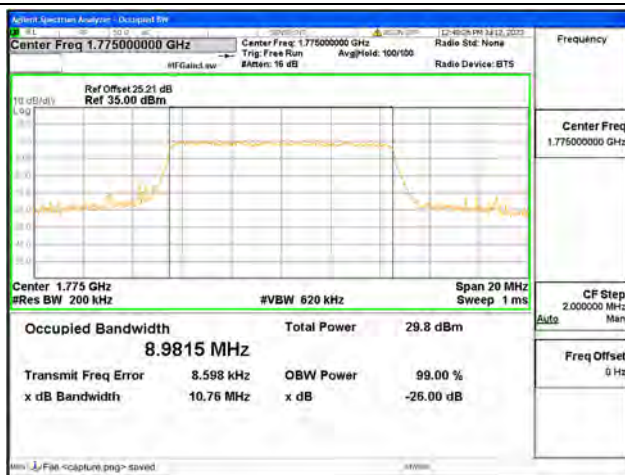
Band66 / 10MHz / 16QAM/ Mid CH



Band66 / 10MHz / 64QAM/ Mid CH



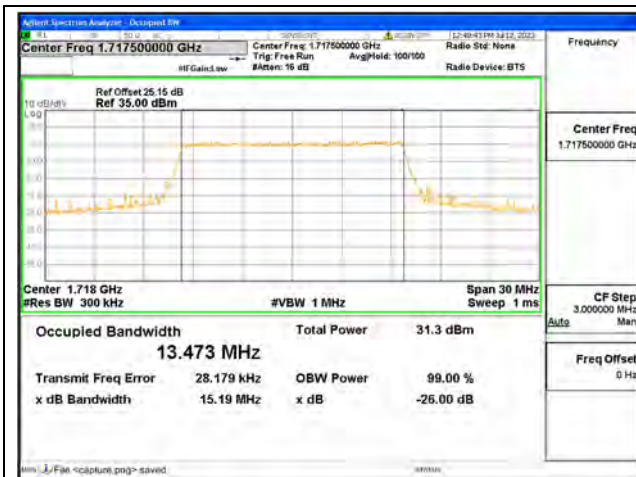
Band66 / 10MHz / QPSK/ High CH



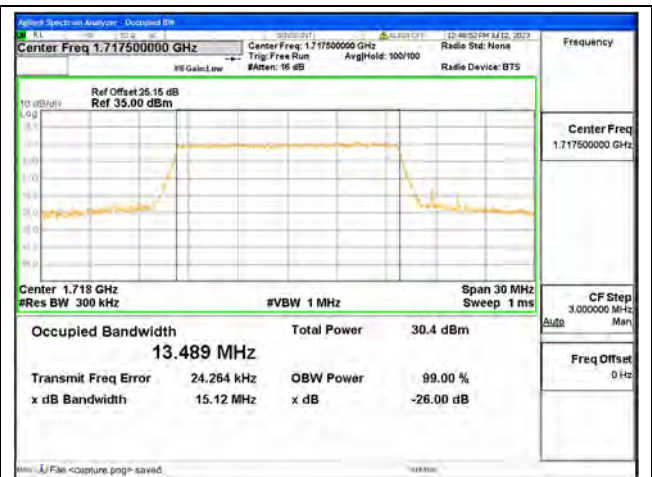
Band66 / 10MHz / 16QAM/ High CH



Band66 / 10MHz / 64QAM/ High CH



Band66 / 15MHz / QPSK/ Low CH



Band66 / 15MHz / 16QAM/ Low CH



Band66 / 15MHz / 64QAM/ Low CH



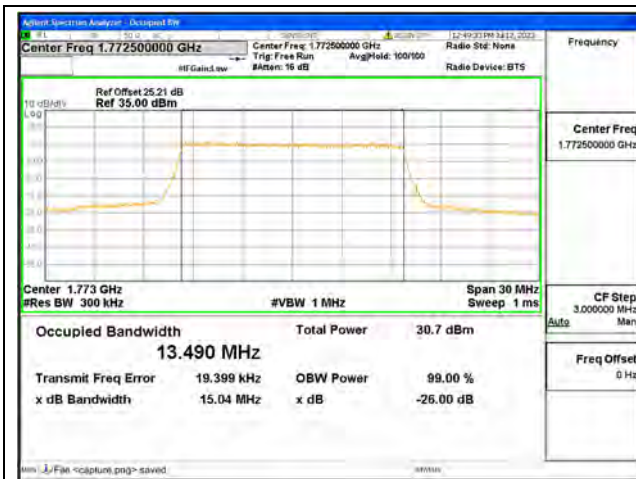
Band66 / 15MHz / QPSK/ Mid CH



Band66 / 15MHz / 16QAM/ Mid CH



Band66 / 15MHz / 64QAM/ Mid CH



Band66 / 15MHz / QPSK/ High CH



Band66 / 15MHz / 16QAM/ High CH



Band66 / 15MHz / 64QAM/ High CH



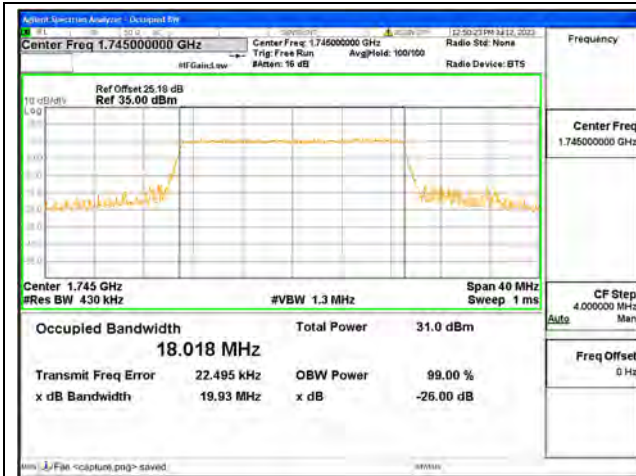
Band66 / 20MHz / QPSK/ Low CH



Band66 / 20MHz / 16QAM/ Low CH



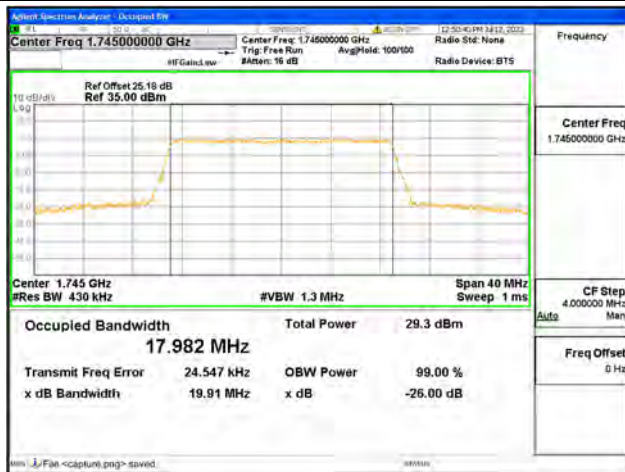
Band66 / 20MHz / 64QAM/ Low CH



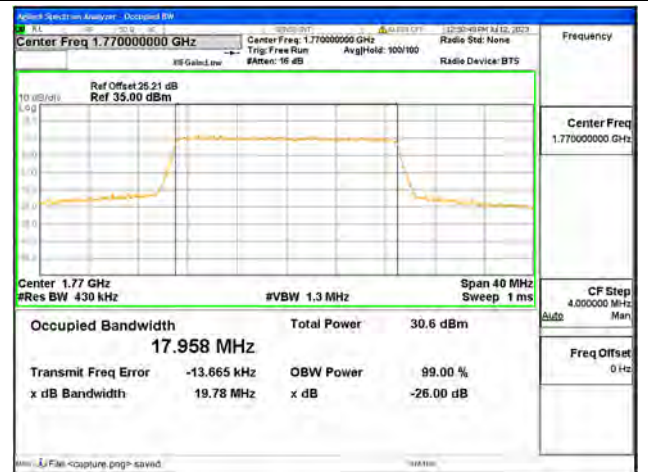
Band66 / 20MHz / QPSK/ Mid CH



Band66 / 20MHz / 16QAM/ Mid CH



Band66 / 20MHz / 64QAM/ Mid CH



Band66 / 20MHz / QPSK/ High CH



Band66 / 20MHz / 16QAM/ High CH



Band66 / 20MHz / 64QAM/ High CH



Band71 / 5MHz / QPSK/ Low CH



Band71 / 5MHz / 16QAM/ Low CH



Band71 / 5MHz / 64QAM/ Low CH



Band71 / 5MHz / QPSK/ Mid CH



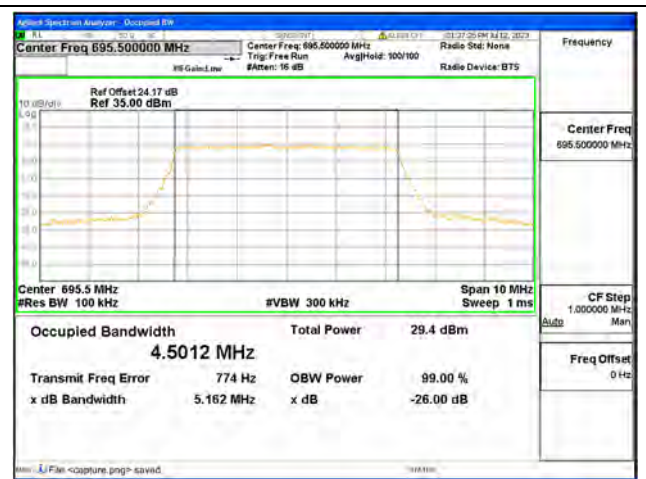
Band71 / 5MHz / 16QAM/ Mid CH



Band71 / 5MHz / 64QAM/ Mid CH



Band71 / 5MHz / QPSK/ High CH



Band71 / 5MHz / 16QAM/ High CH



Band71 / 5MHz / 64QAM/ High CH



Band71 / 10MHz / QPSK/ Low CH



Band71 / 10MHz / 16QAM/ Low CH



Band71 / 10MHz / 64QAM/ Low CH



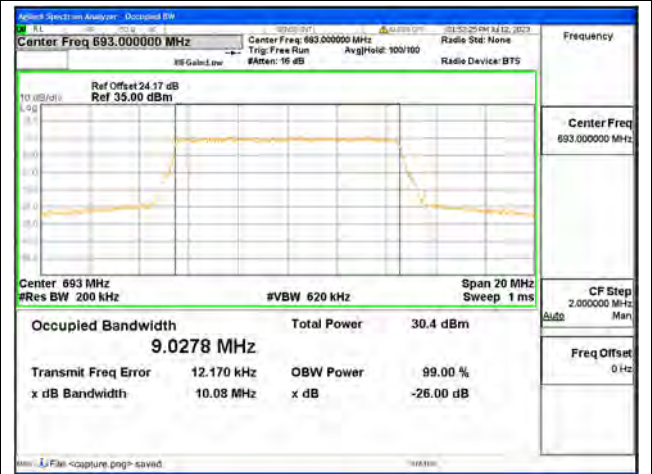
Band71 / 10MHz / QPSK/ Mid CH



Band71 / 10MHz / 16QAM/ Mid CH



Band71 / 10MHz / 64QAM/ Mid CH



Band71 / 10MHz / QPSK/ High CH



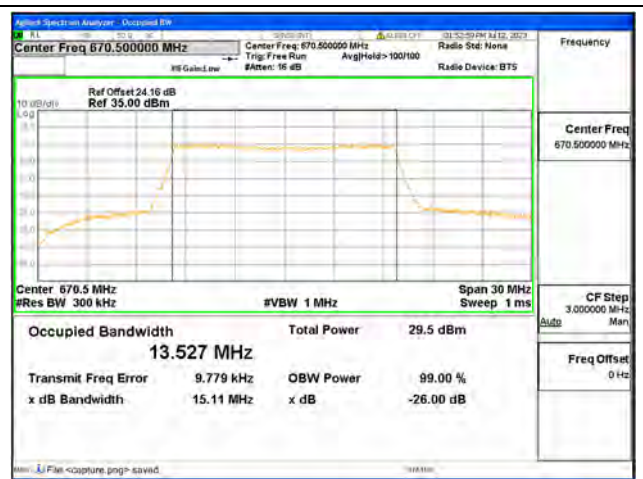
Band71 / 10MHz / 16QAM/ High CH



Band71 / 10MHz / 64QAM/ High CH



Band71 / 15MHz / QPSK/ Low CH



Band71 / 15MHz / 16QAM/ Low CH



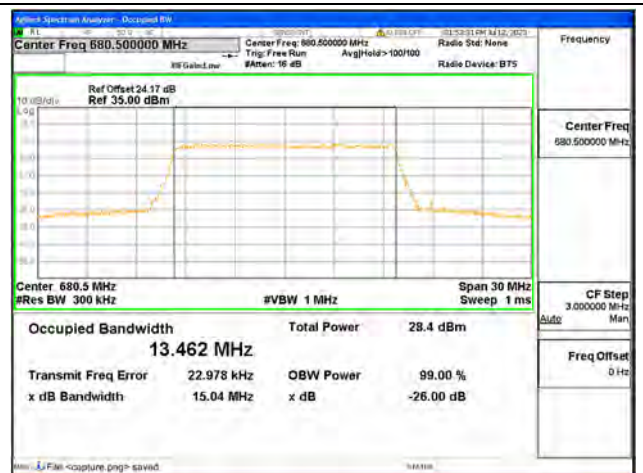
Band71 / 15MHz / 64QAM/ Low CH



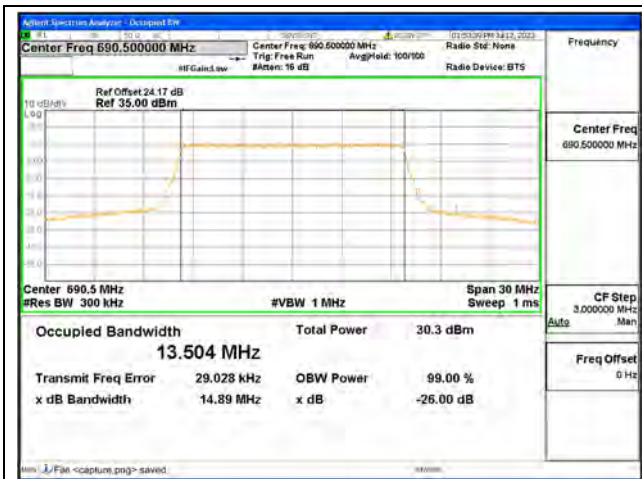
Band71 / 15MHz / QPSK/ Mid CH



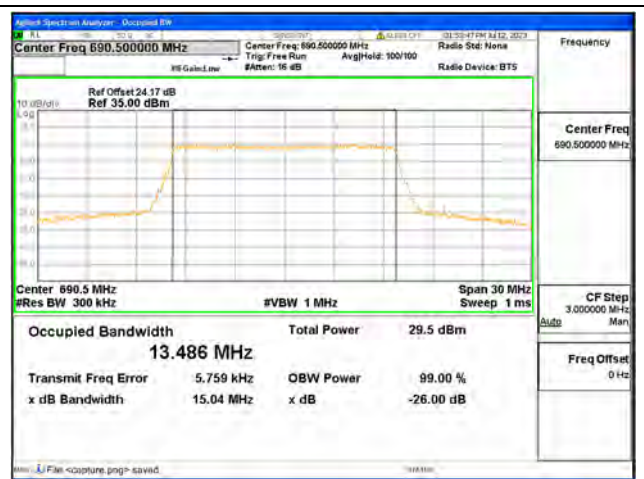
Band71 / 15MHz / 16QAM/ Mid CH



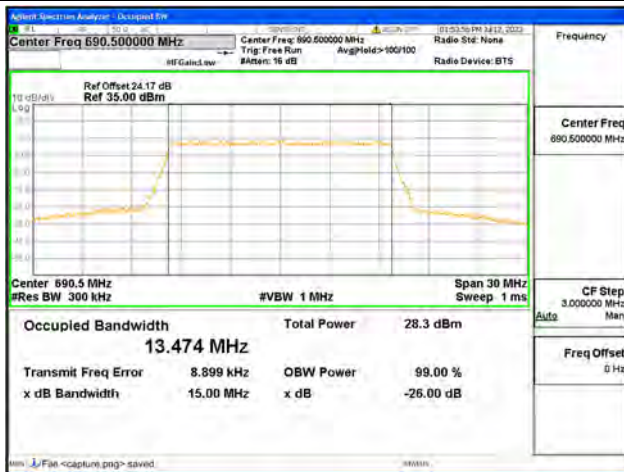
Band71 / 15MHz / 64QAM/ Mid CH



Band71 / 15MHz / QPSK/ High CH



Band71 / 15MHz / 16QAM/ High CH



Band71 / 15MHz / 64QAM/ High CH



Band71 / 20MHz / QPSK/ Low CH



Band71 / 20MHz / 16QAM/ Low CH



Band71 / 20MHz / 64QAM/ Low CH



Band71 / 20MHz / QPSK/ Mid CH



Band71 / 20MHz / 16QAM/ Mid CH



Band71 / 20MHz / 64QAM/ Mid CH



Band71 / 20MHz / QPSK/ High CH



Band71 / 20MHz / 16QAM/ High CH



Band71 / 20MHz / 64QAM/ High CH

2.3. Frequency Stability

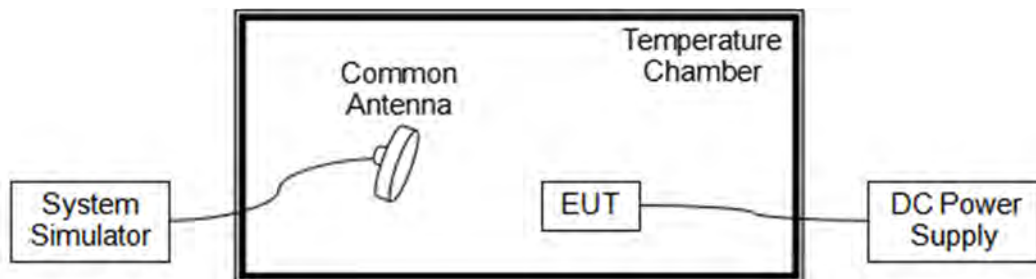
2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from -10°C to 55°C , which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.



2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.50V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-6	-0.003	PASS
Normal		-10	13	0.007	
Normal		0	17	0.009	
Normal		+10	20	0.011	
Normal		+20	18	0.010	
Normal		+30	19	0.010	
Normal		+40	10	0.005	
Normal		+50	16	0.009	
Normal		+55	20	0.011	
High	4.35	+20	16	0.009	
BATT.ENDPOINT	3.50	+20	16	0.009	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	9	0.005	PASS
Normal		-10	13	0.008	
Normal		0	15	0.009	
Normal		+10	-21	-0.012	
Normal		+20	5	0.003	
Normal		+30	20	0.012	
Normal		+40	13	0.008	
Normal		+50	3	0.002	
Normal		+55	13	0.008	
High	4.35	+20	13	0.008	
BATT.ENDPOINT	3.50	+20	18	0.010	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	18	0.022	PASS
Normal		-10	15	0.018	
Normal		0	13	0.016	
Normal		+10	18	0.022	
Normal		+20	7	0.008	
Normal		+30	14	0.017	
Normal		+40	13	0.016	
Normal		+50	20	0.024	
Normal		+55	15	0.018	
High	4.35	+20	-11	-0.013	
BATT.ENDPOINT	3.50	+20	14	0.017	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	20	0.028	PASS
Normal		-10	7	0.010	
Normal		0	15	0.021	
Normal		+10	-18	-0.025	
Normal		+20	1	0.001	
Normal		+30	13	0.018	
Normal		+40	2	0.003	
Normal		+50	14	0.020	
Normal		+55	15	0.021	
High	4.35	+20	23	0.033	
BATT.ENDPOINT	3.50	+20	-6	-0.008	



LTE Band 17, QPSK, Channel 23790, Frequency 710MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	16	0.023	PASS
Normal		-10	18	0.025	
Normal		0	16	0.023	
Normal		+10	17	0.024	
Normal		+20	19	0.027	
Normal		+30	14	0.020	
Normal		+40	15	0.021	
Normal		+50	13	0.018	
Normal		+55	-1	-0.001	
High	4.35	+20	14	0.020	
BATT.ENDPOINT	3.50	+20	14	0.020	

LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	19	0.011	PASS
Normal		-10	-10	-0.006	
Normal		0	13	0.007	
Normal		+10	-10	-0.006	
Normal		+20	20	0.011	
Normal		+30	17	0.010	
Normal		+40	-10	-0.006	
Normal		+50	15	0.009	
Normal		+55	13	0.007	
High	4.35	+20	16	0.009	
BATT.ENDPOINT	3.50	+20	17	0.010	



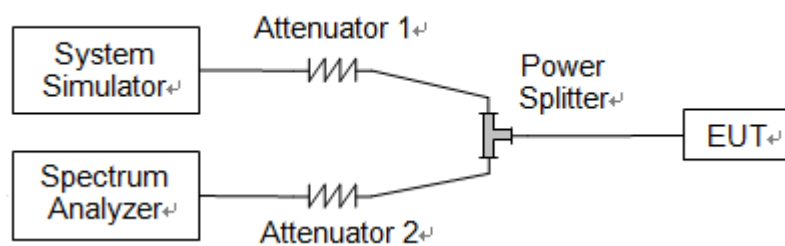
LTE Band 71, QPSK, Channel 133322, Frequency 683.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-19	-0.028	PASS
Normal		-10	18	0.026	
Normal		0	11	0.016	
Normal		+10	20	0.029	
Normal		+20	-21	-0.031	
Normal		+30	-1	-0.001	
Normal		+40	16	0.023	
Normal		+50	-8	-0.012	
Normal		+55	13	0.019	
High	4.35	+20	16	0.023	
BATT.ENDPOINT	3.50	+20	16	0.023	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d) and 27.50(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.4.3. Test Procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.



LTE Band 2					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.00	<=13	PASS
	Low	16QAM	5.95	<=13	PASS
	Low	64QAM	6.24	<=13	PASS
	Mid	QPSK	5.19	<=13	PASS
	Mid	16QAM	5.91	<=13	PASS
	Mid	64QAM	6.13	<=13	PASS
	High	QPSK	4.62	<=13	PASS
	High	16QAM	5.47	<=13	PASS
	High	64QAM	5.86	<=13	PASS
3	Low	QPSK	5.28	<=13	PASS
	Low	16QAM	6.01	<=13	PASS
	Low	64QAM	6.14	<=13	PASS
	Mid	QPSK	5.14	<=13	PASS
	Mid	16QAM	5.93	<=13	PASS
	Mid	64QAM	6.13	<=13	PASS
	High	QPSK	4.70	<=13	PASS
	High	16QAM	5.53	<=13	PASS
	High	64QAM	5.81	<=13	PASS
5	Low	QPSK	5.40	<=13	PASS
	Low	16QAM	5.99	<=13	PASS
	Low	64QAM	6.22	<=13	PASS
	Mid	QPSK	5.42	<=13	PASS
	Mid	16QAM	6.02	<=13	PASS
	Mid	64QAM	6.22	<=13	PASS
	High	QPSK	4.96	<=13	PASS
	High	16QAM	5.64	<=13	PASS
	High	64QAM	5.99	<=13	PASS
10	Low	QPSK	5.40	<=13	PASS
	Low	16QAM	5.94	<=13	PASS
	Low	64QAM	6.17	<=13	PASS
	Mid	QPSK	5.42	<=13	PASS
	Mid	16QAM	6.08	<=13	PASS
	Mid	64QAM	6.24	<=13	PASS
	High	QPSK	4.99	<=13	PASS
	High	16QAM	5.64	<=13	PASS
	High	64QAM	6.01	<=13	PASS



15	Low	QPSK	5.19	<=13	PASS
	Low	16QAM	6.25	<=13	PASS
	Low	64QAM	6.12	<=13	PASS
	Mid	QPSK	5.28	<=13	PASS
	Mid	16QAM	5.96	<=13	PASS
	Mid	64QAM	6.20	<=13	PASS
	High	QPSK	4.68	<=13	PASS
	High	16QAM	5.46	<=13	PASS
	High	64QAM	5.83	<=13	PASS
20	Low	QPSK	5.20	<=13	PASS
	Low	16QAM	5.90	<=13	PASS
	Low	64QAM	6.13	<=13	PASS
	Mid	QPSK	5.37	<=13	PASS
	Mid	16QAM	6.05	<=13	PASS
	Mid	64QAM	6.25	<=13	PASS
	High	QPSK	5.22	<=13	PASS
	High	16QAM	5.78	<=13	PASS
	High	64QAM	6.09	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.09	<=13	PASS
	Low	16QAM	6.02	<=13	PASS
	Low	64QAM	6.61	<=13	PASS
	Mid	QPSK	5.33	<=13	PASS
	Mid	16QAM	6.35	<=13	PASS
	Mid	64QAM	6.38	<=13	PASS
	High	QPSK	4.98	<=13	PASS
	High	16QAM	5.83	<=13	PASS
	High	64QAM	6.22	<=13	PASS
3	Low	QPSK	5.24	<=13	PASS
	Low	16QAM	6.07	<=13	PASS
	Low	64QAM	6.45	<=13	PASS
	Mid	QPSK	5.53	<=13	PASS
	Mid	16QAM	6.32	<=13	PASS
	Mid	64QAM	6.46	<=13	PASS
	High	QPSK	5.19	<=13	PASS
	High	16QAM	6.10	<=13	PASS
	High	64QAM	6.42	<=13	PASS
5	Low	QPSK	5.56	<=13	PASS
	Low	16QAM	6.24	<=13	PASS
	Low	64QAM	6.57	<=13	PASS
	Mid	QPSK	5.68	<=13	PASS
	Mid	16QAM	6.33	<=13	PASS
	Mid	64QAM	6.58	<=13	PASS
	High	QPSK	5.46	<=13	PASS
	High	16QAM	6.14	<=13	PASS
	High	64QAM	6.47	<=13	PASS
10	Low	QPSK	5.55	<=13	PASS
	Low	16QAM	6.30	<=13	PASS
	Low	64QAM	6.52	<=13	PASS
	Mid	QPSK	5.75	<=13	PASS
	Mid	16QAM	6.33	<=13	PASS
	Mid	64QAM	6.54	<=13	PASS
	High	QPSK	5.58	<=13	PASS
	High	16QAM	6.25	<=13	PASS
	High	64QAM	6.53	<=13	PASS



15	Low	QPSK	5.59	<=13	PASS
	Low	16QAM	6.27	<=13	PASS
	Low	64QAM	6.58	<=13	PASS
	Mid	QPSK	5.62	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	Mid	64QAM	6.61	<=13	PASS
	High	QPSK	5.59	<=13	PASS
	High	16QAM	6.31	<=13	PASS
	High	64QAM	6.66	<=13	PASS
20	Low	QPSK	5.49	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Low	64QAM	6.55	<=13	PASS
	Mid	QPSK	5.54	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	Mid	64QAM	6.53	<=13	PASS
	High	QPSK	5.54	<=13	PASS
	High	16QAM	6.30	<=13	PASS
	High	64QAM	6.58	<=13	PASS



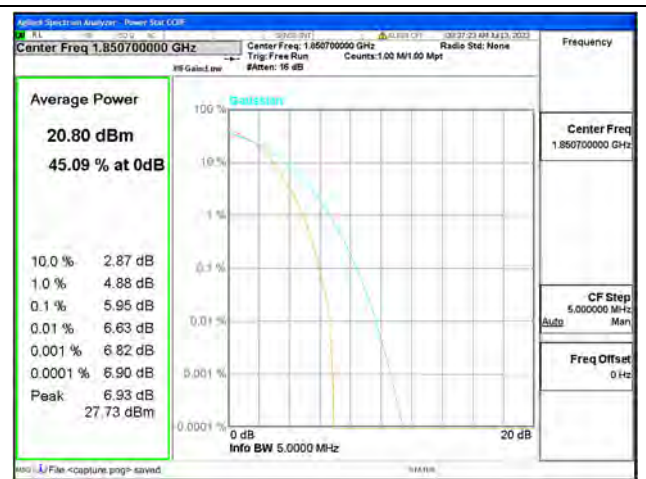
LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.06	<=13	PASS
	Low	16QAM	5.98	<=13	PASS
	Low	64QAM	6.50	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	Mid	64QAM	6.49	<=13	PASS
	High	QPSK	5.53	<=13	PASS
	High	16QAM	6.27	<=13	PASS
	High	64QAM	6.49	<=13	PASS
3	Low	QPSK	5.30	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Low	64QAM	6.44	<=13	PASS
	Mid	QPSK	5.57	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	Mid	64QAM	6.55	<=13	PASS
	High	QPSK	5.60	<=13	PASS
	High	16QAM	6.32	<=13	PASS
	High	64QAM	6.50	<=13	PASS
5	Low	QPSK	5.53	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Low	64QAM	6.55	<=13	PASS
	Mid	QPSK	5.71	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	Mid	64QAM	6.61	<=13	PASS
	High	QPSK	5.66	<=13	PASS
	High	16QAM	6.26	<=13	PASS
	High	64QAM	6.50	<=13	PASS
10	Low	QPSK	5.48	<=13	PASS
	Low	16QAM	6.14	<=13	PASS
	Low	64QAM	6.48	<=13	PASS
	Mid	QPSK	5.64	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	Mid	64QAM	6.57	<=13	PASS
	High	QPSK	5.78	<=13	PASS
	High	16QAM	6.21	<=13	PASS
	High	64QAM	6.45	<=13	PASS



15	Low	QPSK	5.39	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Low	64QAM	6.51	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.32	<=13	PASS
	Mid	64QAM	6.57	<=13	PASS
	High	QPSK	5.38	<=13	PASS
	High	16QAM	6.06	<=13	PASS
	High	64QAM	6.32	<=13	PASS
20	Low	QPSK	5.68	<=13	PASS
	Low	16QAM	6.41	<=13	PASS
	Low	64QAM	6.60	<=13	PASS
	Mid	QPSK	5.65	<=13	PASS
	Mid	16QAM	6.39	<=13	PASS
	Mid	64QAM	6.63	<=13	PASS
	High	QPSK	5.41	<=13	PASS
	High	16QAM	6.09	<=13	PASS
	High	64QAM	6.33	<=13	PASS



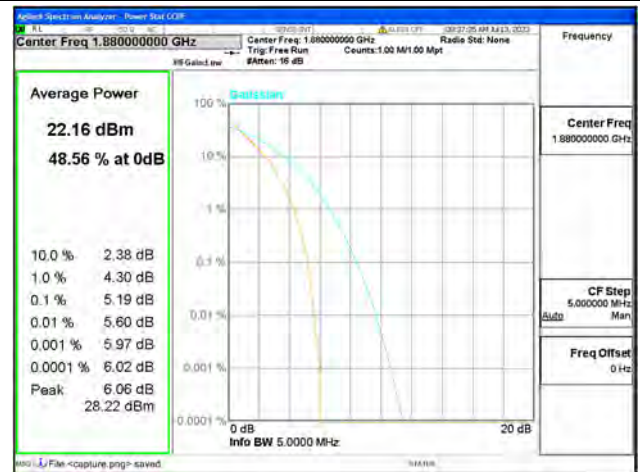
B2 / 1.4MHz / Low CH / QPSK



B2 / 1.4MHz / Low CH / 16QAM



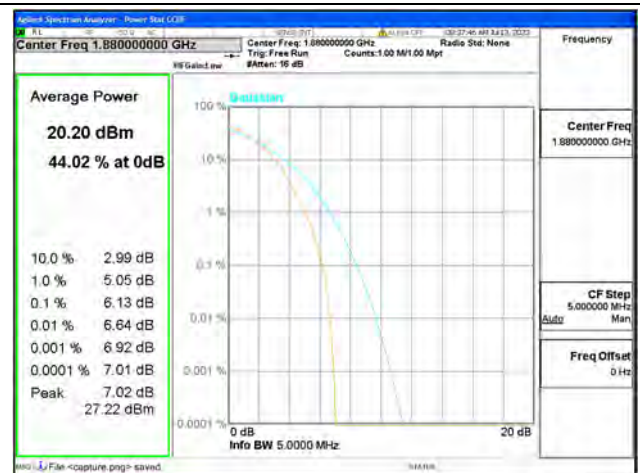
B2 / 1.4MHz / Low CH / 64QAM



B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM



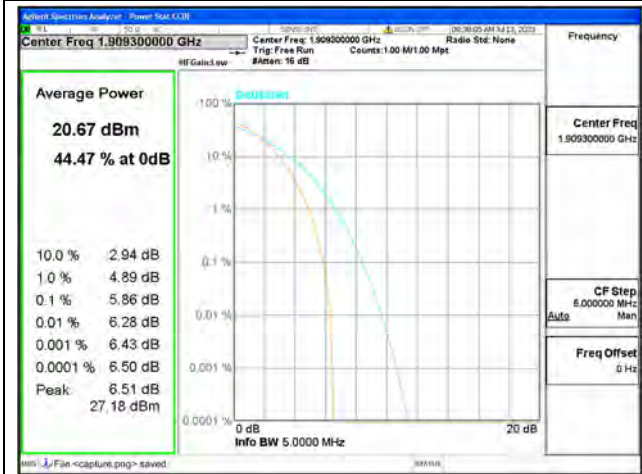
B2 / 1.4MHz / Mid CH / 64QAM



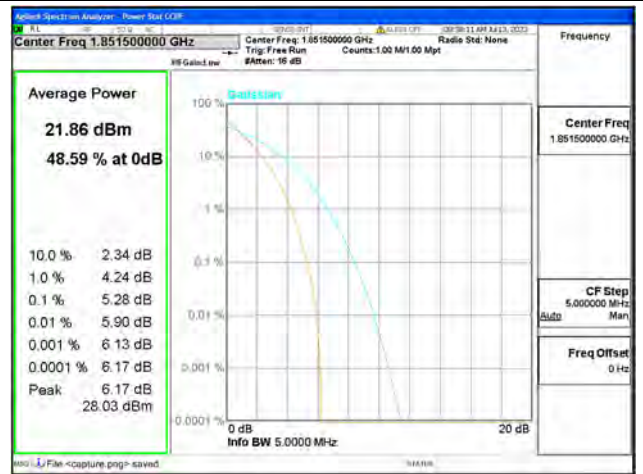
B2 / 1.4MHz / High CH / QPSK



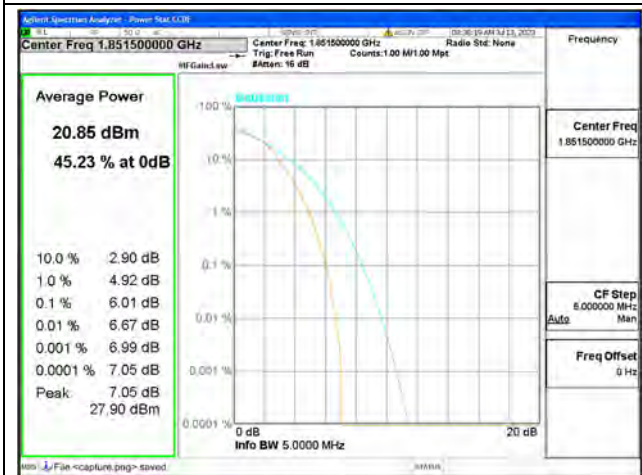
B2 / 1.4MHz / High CH / 16QAM



B2 / 1.4MHz / High CH / 64QAM



B2 / 3MHz / Low CH / QPSK



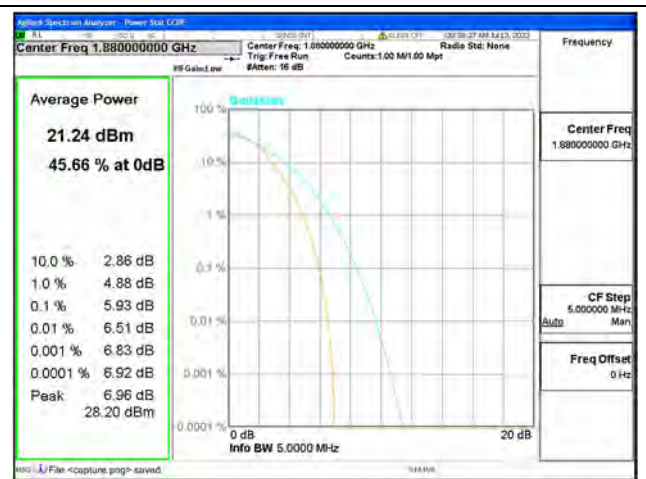
B2 / 3MHz / Low CH / 16QAM



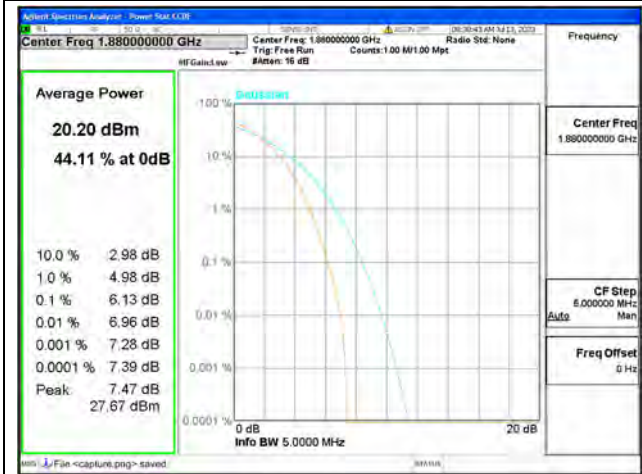
B2 / 3MHz / Low CH / 64QAM



B2 / 3MHz / Mid CH / QPSK



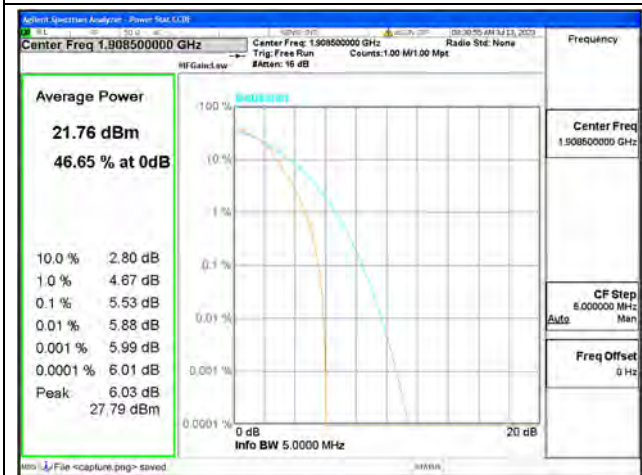
B2 / 3MHz / Mid CH / 16QAM



B2 / 3MHz / Mid CH / 64QAM



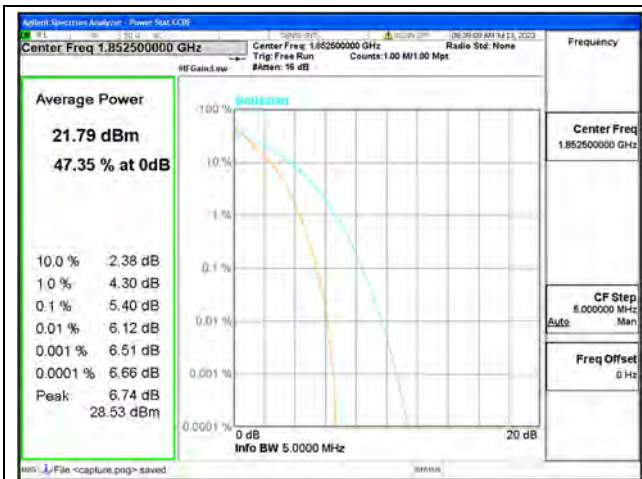
B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM



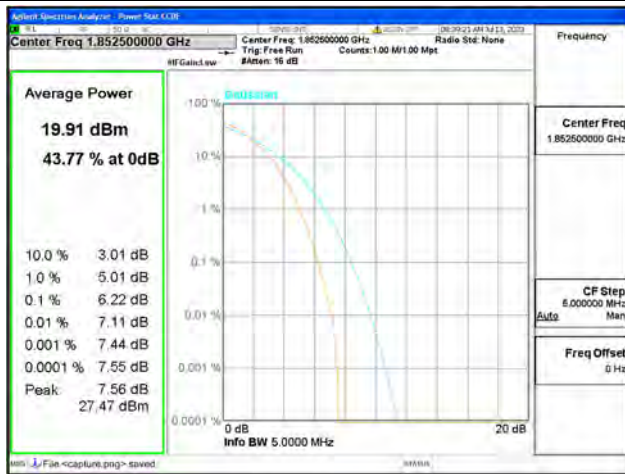
B2 / 3MHz / High CH / 64QAM



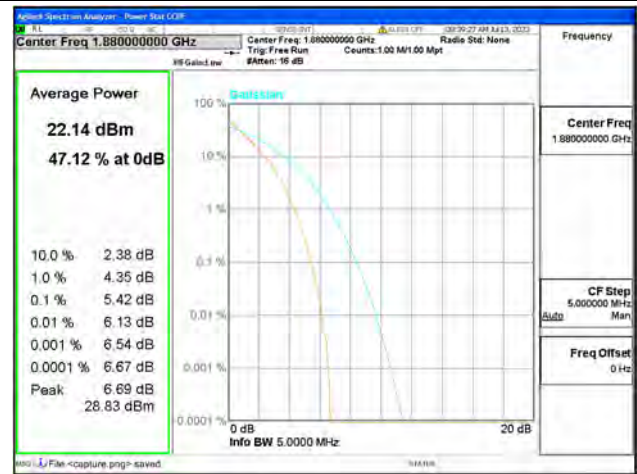
B2 / 5MHz / Low CH / QPSK



B2 / 5MHz / Low CH / 16QAM



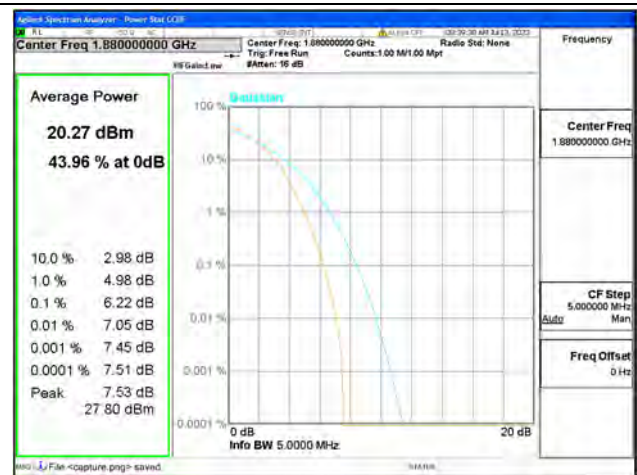
B2 / 5MHz / Low CH / 64QAM



B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / Mid CH / 16QAM



B2 / 5MHz / Mid CH / 64QAM